

3 DAYS LIVE // 6 MONTHS ON DEMAND // 25 TRACKS // 75 SPEAKERS // 100+ EXHIBITORS // 300+ HOURS OF CE // ONE EXCEPTIONAL EVENT

**mvc** *hybrid* **midwest**  
VETERINARY CONFERENCE

HOSTED BY OHIO VETERINARY MEDICAL ASSOCIATION // FEB. 16-18, 2023 // LIVE IN COLUMBUS, OHIO



@MVCINFO // #2023MVC

*2023 Registration Program*



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## **mvc** *live* FEB. 16-18 COLUMBUS, OHIO

Join veterinary professionals from across the country and beyond for the live, in-person conference! Choose from 300+ hours of sessions and labs in 25 tracks, and earn up to 19.5 CE hours by attending all three days of the event. You'll also have unlimited access to the Exhibit Hall, as well as the opportunity to participate in social and networking events, and reconnect with your colleagues.

## **mvc** *hybrid* FEB. 16-18 COLUMBUS, OHIO + FEB. 24 - AUG. 24 ONLINE

Enjoy the best of both worlds by registering for both the in-person and virtual portions of the conference! You'll have access to all 300+ hours of live sessions and labs, as well as a variety of special events and the live Exhibit Hall. Take a few days to recoup, and then catch up on the sessions you missed during MVC Virtual, starting on Feb. 24.

## **mvc** *virtual* FEB. 24-AUG. 24 ONLINE

Get your CE from the comfort of your own home! Purchase access to MVC Virtual, the all-online, on-demand portion of the conference. You'll have unlimited access to 120 hours of CE in a wide range of tracks (see the next page for a complete list) and be able to explore the Virtual Exhibit Hall at your own pace!

**MVC VIRTUAL CE OFFERINGS**

Please note, not all sessions offered at the live MVC will be available at the Virtual MVC. A total of 120 hours will be recorded on site at the MVC.

To ensure high-quality video/audio, virtual sessions are NOT presented live. They will be available AFTER the live MVC concludes (see dates at left).

The following tracks will be recorded on site at the live MVC and made available on demand to virtual and hybrid attendees.

- Animal Behavior Sessions 200–205
- Equine Sessions 209–214
- Food Animal Sessions 312–317
- Holistic & Integrative Medicine Sessions 118–123
- Pet Animal Anesthesia & Pain Management Sessions 124–129
- Pet Animal Cardiology Sessions 227–232
- Pet Animal Dermatology Sessions 330–335
- Pet Animal Endocrinology Sessions 233–238
- Pet Animal Gastroenterology Sessions 336–341
- Pet Animal Oncology Sessions 136–141
- Practice Management Sessions 154–159, 251–256, and 348–353
- Public Health Sessions 360–365
- Recent Graduate Sessions 366–371
- Shelter Animal Sessions 269–274
- Small Ruminants Sessions 378–383
- Staff Development Sessions 281–286
- Technician Sessions 287–298

Due to unforeseen circumstances, these offerings may change leading up to the Conference. Please refer to [www.mvcinfo.org/virtual](http://www.mvcinfo.org/virtual) for an up-to-date list.

*More Questions?*

See pages 42–43 for FAQs about the Virtual MVC and online CE, or scan the QR code or visit the website for complete details.



« Gold Sponsors »



**KENNETH A. SCOTT CHARITABLE TRUST**



**OHIO ANIMAL HEALTH FOUNDATION**

- Thursday through Saturday Shelter Animal

« Silver Sponsors »



**Boehringer Ingelheim**

- Exhibit Hall Social Space
- Attendee Bags & Pens



- Pet Animal Cardiology
- Pet Animal Dermatology



- Pet Animal Oncology



**MERCK**  
Animal Health

- Mobile App
- Shelter Animal Reception

**STANTON FOUNDATION**

- Recent Graduates – Cytology
- Connection Corner: Student/DVM Networking Lunch

« Bronze Sponsors »



**AMERIVET**  
VETERINARY PARTNERS

- Exhibit Hall Social Space



- Exhibit Hall Social Space
- Mothers' Room Supplies



- Pet Animal Orthopedic Surgery



- Exhibit Hall Social Space



- Holistic & Integrative Medicine Sessions 224–226 and 321–323



- Friday Practice Management I



- Attendee Lanyards

	IN-PERSON MVC Feb. 16 – 18, 2023 • Columbus, Ohio						HYBRID In Person + Virtual	VIRTUAL ONLY Opens Feb. 24, 2023
	One Day		Two Days		All Three Days			
	Advance Thru 1/20/23	Regular 1/21/23 + after	Advance Thru 1/20/23	Regular 1/21/23 + after	Advance Thru 1/20/23	Regular 1/21/23 + after		
<b>VETERINARIANS</b>								
OVMA Member or Out of State	\$180 online \$195 mail	\$205 online \$230 mail	\$230 online \$245 mail	\$255 online \$280 mail	\$280 online \$295 mail	\$305 online \$330 mail	+ \$125 online & mail	\$230 online \$255 mail
OVMA Life Member <sup>1</sup> or Resident/Intern Member	\$145 online \$160 mail	\$165 online \$190 mail	\$185 online \$200 mail	\$205 online \$230 mail	\$225 online \$240 mail	\$245 online \$270 mail		\$230 online \$255 mail
Non-Member in Ohio	\$355 online \$370 mail	\$380 online \$405 mail	\$405 online \$420 mail	\$430 online \$455 mail	\$455 online \$470 mail	\$480 online \$505 mail		\$405 online \$430 mail
<b>NON-VETERINARIANS</b>								
Technicians, Hospital/Shelter Staff <sup>2</sup> & Others <sup>3</sup>	\$115 online \$130 mail	\$140 online \$165 mail	\$155 online \$170 mail	\$180 online \$205 mail	\$185 online \$200 mail	\$210 online \$230 mail	+ \$75 online & mail	\$155 online \$170 mail
<b>STUDENTS<sup>4</sup></b>								
Member <sup>5</sup>					\$0	\$0	included	
Non-Member					\$35	\$45	included	

1. OVMA Board approved. // 2. Non-veterinarian, non-technician only. // 3. The "Others" category includes all other animal/veterinary care professionals that don't fit in the previous categories, as well as spouses, relatives, and guests age 18+. // 4. Includes access to all three days of live MVC plus Virtual Platform. Must register online to access discounted student pricing. // 5. Member of OVMA (vet students) or SCNAVTA (tech students).

## REGISTRATION CATEGORIES

**In-Person MVC:** You can register for one, two, or all three days. Your registration fee includes access to:

- all live sessions on the day(s) you select
- live Exhibit Hall on the day(s) you select
- hands-on labs (additional fee)
- on-site program hard copy and/or mobile app
- flash drive of and online access to Conference proceedings

**Hands-On Lab Only:** Includes access to the program(s) you select (pending availability) and the Exhibit Hall. Only available on site at the live MVC.

**Virtual MVC Only:** Choose this option if you do not wish to attend the in-person portion of the conference. Your registration fee includes 6 months of unlimited access to:

- virtual sessions
- virtual Exhibit Hall
- mobile app
- online Conference proceedings

**Hybrid:** Register for both the in-person and virtual MVC to gain access to all of the above.

- Note: You must select **both** an in-person registration option and the hybrid option on the registration form. Hybrid pricing shown is **in addition to** the in-person fees.
- Student registrations include access to full event (in person and online). Must register online to access student pricing.

## EMAIL ADDRESSES

A unique email address is required to register online and to access the Virtual Platform. **Email addresses CANNOT be shared with other attendees.**

Contact OVMA prior to registration if you cannot remember what email address we have on file or if you need to change your email address.

## HOSPITAL STAFF

Only non-veterinarian personnel may register under the Hospital Staff category.

Individual registrations can be transferred to other members of your staff if needed.

- **Prior to the MVC:** Log in to the Attendee Registration Portal. (Instructions will be in your confirmation email.)
- **At the MVC:** Bring the badge that needs replaced to the attendee assistance counter.

## SELECTING SESSIONS

Attendees participating in the live/in-person MVC are **strongly encouraged to register for sessions they plan to attend** for the following reasons:

- Allows OVMA to assign rooms and seating to accommodate all attendees.
- Ensures you have a record of your sessions should you need proof for license renewal.
- Sessions you register for will automatically be added to your schedule in the MVC mobile app.

If needed, you can modify your session selections after registration. Instructions will be included in your confirmation email or can be found at [www.mvcinfo.org/registration](http://www.mvcinfo.org/registration).

## SPECIAL PROGRAMS & LABS

Due to limited capacities, advance registration is **required** for special programs and labs.

**If you are registering by mail,** visit [www.mvcinfo.org/education](http://www.mvcinfo.org/education) to find out if the programs you wish to attend are still available at the time you register. **If registering online,** you will only be able to select available programs.

If a program is full, you will have the option to join a waitlist during online registration. An email will be sent to you if a spot opens up; you have 24 hours to claim it before the next person in line is notified.

## VIRTUAL MVC

**Please note, not all sessions offered at the live MVC will be available at the Virtual MVC.** The tracks highlighted in yellow on the CE schedule (pages 9–17) will be recorded and made available on demand.

To ensure high-quality video/audio, virtual sessions are **NOT presented live.** They will be available AFTER the live MVC concludes.

Be aware, these offerings may change leading up to the Conference due to unforeseen circumstances. Refer to [www.mvcinfo.org/virtual](http://www.mvcinfo.org/virtual) for an up-to-date list.

Virtual registrations are individual and may not be shared. CE credit will not be issued for anyone who is not registered.

## CONFIRMATION

All in-person attendees (except students) will receive a confirmation packet containing their badge via postal mail, provided they register by the Advance Registration cutoff of Jan. 20, 2023 (11:59 p.m. ET).

Students and anyone registering after this date may pick up their badge on site at the self-serve badge printing kiosk. **Attendees are strongly encouraged to register by the Tier I cutoff of Jan. 20 to minimize wait time on site.**

Confirmation packets will be mailed beginning Feb. 1.

## CANCELLATIONS & TRANSFERS

You may transfer a registration to someone else on your staff by contacting [info@mvcinfo.org](mailto:info@mvcinfo.org).

Please see page 6 for the MVC cancellation policy.

« For More Information »  
Visit [www.mvcinfo.org/FAQs](http://www.mvcinfo.org/FAQs) or  
contact [info@mvcinfo.org](mailto:info@mvcinfo.org).



# «REGISTRATION FORM»

Save up to \$25 by registering online! Visit [www.mvcinfo.org/register](http://www.mvcinfo.org/register) to get started.

## « CONTACT INFORMATION » Please print clearly using dark/bold ink. Additional forms online at [www.mvcinfo.org/registration](http://www.mvcinfo.org/registration).

Full Name \_\_\_\_\_ Preferred First Name (if different) \_\_\_\_\_

Individual Type  Veterinarian  Technician  Practice Manager  Hospital Staff  Shelter Staff  Other

Area(s) of Practice  Academic  Corp/Assn  Equine  Exotic  Food  Govt/Military  Mixed  Pet  Research/Lab  Shelter  Other

Company/Clinic \_\_\_\_\_

Preferred Address  Home  Work \_\_\_\_\_

*This address will be encoded into your attendee badge and is where we will send your confirmation packet.*

City / State / ZIP \_\_\_\_\_

Email\* \_\_\_\_\_ Phone \_\_\_\_\_

*\*Required for email confirmation and access to Virtual MVC. Must be a unique address not shared with anyone else registering for the MVC.*

Emergency Contact Name & Number (optional) \_\_\_\_\_

ADA Special Accommodations (if any) \_\_\_\_\_

## « OVMA MEMBERSHIP » If you are a veterinarian, you can join or renew your membership for 2023 below.

Active Member: \$195 (practicing in Ohio)  Affiliate Member: \$65 (out of state)  New Graduate Member: \$120 (graduated in 2021 or 2022)  Military: \$65 (uniform/civil svc)  Resident/Intern: \$65 (post-grad)

Life Member: No Charge [Eligibility requirements: (a) 30 years of membership AND (b) retired or age 70+. Requires OVMA Board approval.]

**NEW members, please provide:** Vet School Attended \_\_\_\_\_ Grad Year \_\_\_\_\_

Payments and dues paid to the OVMA are not deductible for federal tax purposes as charitable contributions. They may be deductible as an ordinary and necessary business expense, except the portion related to representation on legislative issues, estimated to be 20%.

## « REGISTRATION CATEGORY » For complete details on registration options, please see page 4.

IN-PERSON MVC						
	ONE DAY		TWO DAYS		FULL MVC	
	Select 1: <input type="checkbox"/> Thurs <input type="checkbox"/> Fri <input type="checkbox"/> Sat		Select 2: <input type="checkbox"/> Thurs <input type="checkbox"/> Fri <input type="checkbox"/> Sat		<input checked="" type="checkbox"/> Thurs	<input checked="" type="checkbox"/> Fri <input checked="" type="checkbox"/> Sat
	ADVANCE	REGULAR	ADVANCE	REGULAR	ADVANCE	REGULAR
VETERINARIANS	THRU 1/20/23	1/21/23 + AFTER	THRU 1/20/23	1/21/23 + AFTER	THRU 1/20/23	1/21/23 + AFTER
OVMA Member: Active, New Grad, or Military	<input type="checkbox"/> \$195	<input type="checkbox"/> \$230	<input type="checkbox"/> \$245	<input type="checkbox"/> \$280	<input type="checkbox"/> \$295	<input type="checkbox"/> \$330
OVMA Member: Resident/Intern or Life	<input type="checkbox"/> \$160	<input type="checkbox"/> \$185	<input type="checkbox"/> \$200	<input type="checkbox"/> \$230	<input type="checkbox"/> \$240	<input type="checkbox"/> \$270
Non-Member in Ohio	<input type="checkbox"/> \$370	<input type="checkbox"/> \$405	<input type="checkbox"/> \$420	<input type="checkbox"/> \$455	<input type="checkbox"/> \$470	<input type="checkbox"/> \$505
Out-of-State Veterinarian	<input type="checkbox"/> \$195	<input type="checkbox"/> \$230	<input type="checkbox"/> \$245	<input type="checkbox"/> \$280	<input type="checkbox"/> \$295	<input type="checkbox"/> \$330
NON-VETERINARIANS						
Technicians, Staff, & Others	<input type="checkbox"/> \$130	<input type="checkbox"/> \$165	<input type="checkbox"/> \$170	<input type="checkbox"/> \$205	<input type="checkbox"/> \$200	<input type="checkbox"/> \$230

### HANDS-ON LAB ONLY

Does not include access to sessions. Select your program(s) on next page. >>

## HYBRID MVC (IN PERSON + VIRTUAL)

Email address required. You must also complete in-person registration section above. Select in-person sessions and programs on the next page.

VETERINARIAN add \$125

NON-VETERINARIAN add \$75

## VIRTUAL MVC ONLY

Email address required in contact section above. You do not need to register for individual sessions, unless you would like a record for your reference.

VETERINARIAN

NON-VETERINARIAN \$170

OVMA Member or Out of State \$255

Non-Member in Ohio \$430

**« IN-PERSON SESSIONS & SPECIAL PROGRAMS »** Please write the session numbers and select any special programs you wish to attend. Special program capacities are limited; therefore, pre-registration is required and awarded on a first-come, first-served basis.

Thursday 2/16 \_\_\_\_\_

A. End-of-Life Lunch & Learn: \$60 » Please note any dietary restrictions: \_\_\_\_\_

Friday 2/17 \_\_\_\_\_

B1. Dog Handling (1:30 p.m.): \$45    B2. Dog Handling (3:30 p.m.): \$45    Human CPR Training: \$105

Saturday 2/18 \_\_\_\_\_

C. Technician Parasite GI Lab: \$145    Check here to denote latex allergy.

**« CHARITABLE CONTRIBUTIONS »** As part of the 5 for 5 for the Future program, OVMA earmarks \$5 from every veterinarian and technician registration for student scholarships. Since the program's inception in 2012, MVC attendees have helped raise nearly \$200,000.

YES! I would like to donate an additional \$\_\_\_\_\_ to the 5 for 5 for the Future program.

**« TOTAL AMOUNT DUE »** You may use this worksheet to calculate your grand total. This is for your use; you are not required to complete this section.

This Registration	Total from Side 1: \$	+	Total from Side 2: \$	=	Total for this registration: \$
Group Registrations					Total for other registrations: \$
					<b>Grand Total Due: \$</b>

**« PAYMENT INFORMATION »** If you are registering multiple individuals, please mail forms together with one payment.

Payment Type:    Visa    MasterCard    Discover    American Express    Check # \_\_\_\_\_ made payable to OVMA

Cardholder Name \_\_\_\_\_ Exp. Date \_\_\_\_\_

Card Number \_\_\_\_\_ CVV \_\_\_\_\_

Billing Address: If different from address provided on previous page, please provide billing address as it appears on your statement.

Address \_\_\_\_\_

City/State/ZIP \_\_\_\_\_

Cardholder Signature \_\_\_\_\_

**« TERMS & CONDITIONS »** By submitting this form, you acknowledge that you have read and agree to the following:

**Attendee Cancellation Policy: In-Person MVC.** When personal or professional circumstances prevent a pre-registered individual from attending the in-person portion of the Conference, OVMA will refund the in-person Conference registration fee, less 10% of fees paid. A written refund request must be received no later than seven days after the last day of the Conference (Feb. 25, 2023 at 11:59 p.m. ET). Refunds will be granted for specialty programs, less 10% of fees paid, providing the participant's space is filled by another attendee. **Virtual MVC.** A partial refund will be issued for 75% of the virtual fee if written cancellation notice is received by Feb. 23, 2023, at 12 p.m. ET.

**Public Health Emergencies.** In the event state or local health orders prevent the live MVC from occurring, pre-registered attendees will receive a full refund.

**Consent to be Photographed.** Registration for the Midwest Veterinary Conference and attendance at any events, educational sessions and/or wet labs held in conjunction with the MVC constitutes an agreement by the registrant to OVMA's use and distribution of his/her image or voice in photographs, videotapes, electronic reproductions and audiotapes of such events and activities.

**Shared Content.** The OVMA may use content you share in relation to the MVC in future promotional materials, including but not limited to social media posts, photos, and comments.

**Privacy Disclosure.** The OVMA will not release your contact information to non-exhibiting companies. Please be aware that the contact information you provide will be encoded into your attendee badge and/or virtual attendee profile and may be obtained by Exhibitors.

**Hands-On Labs Policy.** By registering for a Hands-On Lab, Registrant acknowledges and agrees that some labs involve working with live animals, cadavers, specimens, equipment and other unique learning materials which may expose the registrant to a risk of injury or disease in the same manner as a veterinary professional would be exposed to these risks in carrying out the same or similar procedures in a clinical setting. The registrant, by registering for these Hands-On Labs and completing this registration form, agrees to assume this risk and hereby waives and releases the OVMA, any faculty, and other participants from any and all damage or injury arising out of or related to registrant's participation in the Hands-On Lab.

**Virtual Platform Access.** Only registered attendees are permitted to access the MVC Virtual Platform and claim/be verified for continuing education (CE) credit. Each access code is limited to one simultaneous device sign-in. Registrants agree they will not share, distribute, record, or sell their individual access code, speaker videos, and/or conference proceedings to unregistered individuals or companies. OVMA is not responsible for attendee technology and/or equipment failures that prevent access to the Virtual Platform.

**Mail completed form(s) and payment to: OVMA, 1472 Manning Pkwy., Powell OH 43065**



ZiNova, Inc
911PetChip™
Ackerman Group
Adamson Veterinary Services
Aesculight
AIV, Inc.
AKC Reunite
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Animal Care Technologies
Animal Health Options
Antech, Sound Imaging
ASPCA Pet Health Insurance
Aurora Pharmaceutical
Avalon Medical
Aventix
Avid Identification Systems Inc
AVMA Trust
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Bank of America Practice Solutions
BCP Veterinary Pharmacy
Bionote
Blue Buffalo Natural Veterinary Diets
BluePearl PVSEC
<b>Boehringer Ingelheim Animal Health USA Inc.</b> «Silver Sponsor»
Buckeye Dog Training
Buckeye X-ray
CareCredit
Cattledog Publishing
Central Ohio Compounding Pharmacy
Centura Imaging
<b>Ceva Animal Health, LLC</b> «Silver Sponsor»
Chi University
Christian Iconic X-ray
ClientTrax Software
<b>Covetrus</b> «Bronze Sponsor»
Cresilon - VETIGEL
Dechra Veterinary Products
Dog is Good
Edge Life Technologies, LLC
Elanco Animal Health
Epicur Pharma
EverVet Partners

Exubriion Therapeutics
Ezee Visit Pet Vet Mat
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H&O Equipments
Heska
Hill's Pet Nutrition
ICU Medical – Surgivet
<b>IDEXX</b> «Silver Sponsor»
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K-Laser USA
Lighthouse Veterinary Personnel Services, LLC
MAI Animal Health
Medical Illumination
Medical Pet Shirts International
MedVet
<b>Merck Animal Health</b> «Silver Sponsor»
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Metropolitan Veterinary Hospital
Midmark Corporation
Midwest Veterinary Supply
Midwestern Veterinary Dentistry and Consulting
MILA International, Inc
Mizner Bioscience
Multi Radiance
MWI Animal Health
National Veterinary Associates (NVA)
<b>Noah's Ark Animal Clinics</b> «Bronze Sponsor»
Noah's Animal Hospital / Veterinary Specialty & Emergency Care (VSEC)
Nutramax Laboratories Veterinary Sciences, Inc.
<b>O3Vets</b> «Bronze Sponsor»
Omni Practice Group
Optimum Vet Solutions
Patterson Veterinary Supply
Penn Veterinary Supply, Inc.
Pet Cremation Services, Inc.
Pet Vet Urgent Care
PRN Pharmcal

Purina
Rose Micro Solutions
Royal Canin
Rx Vitamins, Inc.
Samsung/Choice Medical Systems
SBH Medical
Schultz Technology
ServiceNet Medical X-Ray, LLC
Simmons Great Lakes
Snyder Manufacturing Co.
Southern Veterinary Partners
Specialty Veterinary Pharmacy
Standard Process Inc.
Suburban Surgical Co., Inc.
Summus Medical Laser
TC Architects, Inc.
Televet
Total Practice Solutions Group
Tuttner USA Co., Ltd.
Universal Imaging, Inc.
VCA

Vet Books by Success Concepts
Veterinary Apparel Company
Veterinary Books by Success Concepts
Veterinary Emergency Group
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VetMed Solutions
VetRay Technology by Sedecal
Vetoquinol
VetSnoot
VetSpecs, Inc.
Virbac
Weave
Wedgewood Pharmacy
Wood Dale Pet Pharmacy
Young Living
Zoetis

*Learn More*  
For more information and an up-to-date listing, visit [www.mvcinfo.org/exhibits](http://www.mvcinfo.org/exhibits).

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« Thursday 02-16-23 »

<b>Registration &amp; Attendee Assistance</b> .....	7:00 A.M. – 6:00 P.M.
<b>Educational Programming</b> .....	8:00 A.M. – 5:00 P.M.
<b>Exhibit Hall Open</b> .....	10:30 A.M. – 6:00 P.M.
<b>Social Events in the Exhibit Hall</b> .....	11:30 A.M.– 1:30 P.M. and 4:00–6:00 P.M.

**ABOUT THIS EVENT** » Several of our sponsors are planning special social events in the Exhibit Hall during designated breaks. Visit [www.mvcinfo.org/events](http://www.mvcinfo.org/events) to learn more as the MVC nears. Details will also be included in the On-Site Program and Mobile App.



« Friday 02-17-23 »

<b>OVMA Member Business Meeting</b> .....	7:00 – 8:00 A.M.
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**ABOUT THIS EVENT** » At the annual business meeting, OVMA members are invited to enjoy a complimentary breakfast while you hear important membership updates from officers and staff. **HOW TO SIGN UP** » Members only; no advance RSVP required.

<b>Registration &amp; Attendee Assistance</b> .....	7:00 A.M. – 6:00 P.M.
<b>Educational Programming</b> .....	8:00 A.M. – 5:00 P.M.
<b>Rabies Titer Testing</b> .....	10:00 A.M. – 2:00 P.M.

**ABOUT THIS SERVICE** » Veterinary professionals who have received rabies pre-exposure vaccination and are at continued risk of exposure should get their titers tested every two years. ARCpoint Labs of Columbus will provide this service on Friday and Saturday. **COST** » \$75 (antibody screen) or \$95 (antibody endpoint testing). Payment can be made in cash, credit card, or check made out to ARCpoint Labs. **HOW TO SIGN UP** » Walk-ins appointments only.

<b>Exhibit Hall Open</b> .....	10:30 A.M. – 6:00 P.M.
<b>Social Events in the Exhibit Hall</b> .....	11:30 A.M.– 1:30 P.M.. and 4:00–6:00 P.M.
<b>Connection Corner: Student/DVM Networking Lunch (Sponsored by Stanton Foundation)</b> .....	11:45 A.M. – 1:15 P.M.

**ABOUT THIS EVENT** » Future and practicing veterinarians come together for lunch and a networking power hour to ask questions, strengthen networking skills, and even find a summer externship. **MAX CAPACITY** » 85 students; 15 veterinarians. **HOW TO SIGN UP** » Members only; online RSVP required by Feb. 10. Visit [www.mvcinfo.org/events](http://www.mvcinfo.org/events) for more information and signup instructions.



<b>Human CPR Training</b> .....	2:45 – 5:45 P.M.
---------------------------------	------------------

**ABOUT THIS EVENT** » American Heart Association-certified instructors will lead a class in human CPR and AED for infants, children, and adults. Also included is scene safety, pulse check, rescue breathing, operating an AED, and choking rescue techniques for all age groups. Each student who completes the class will be certified with the American Heart Association for two years. **MAX CAPACITY** » 24. **COST** » \$105; proceeds benefit AHA. **HOW TO SIGN UP** » Sign up during online registration or on paper form.

<b>Shelter Animal Reception (Sponsored by Merck Animal Health)</b> .....	5:30 – 6:30 P.M.
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**ABOUT THIS EVENT** » Decompress after a long day at this informal gathering of directors, veterinarians, humane agents, dog wardens, and other shelter professionals. **HOW TO SIGN UP** » No RSVP required.



« Saturday 02-18-23 »

<b>Registration &amp; Attendee Assistance</b> .....	7:00 A.M. – 5:00 P.M.
<b>Educational Programming</b> .....	8:00 A.M. – 5:00 P.M.
<b>Rabies Titer Testing</b> .....	10:00 A.M. – 2:00 P.M.
<b>Exhibit Hall Open</b> .....	10:30 A.M. – 3:00 P.M.
<b>Social Events in the Exhibit Hall</b> .....	11:30 A.M.– 1:30 P.M.



ANIMAL BEHAVIOR	EQUINE	FOOD ANIMAL	HOLISTIC & INTEGRATIVE MED.	PET ANIMAL ANESTHESIA & PAIN	PET ANIMAL DENTISTRY
MVC Hybrid ■■ 8:00 – 9:00					
<b>100</b> Abnormal Behavior: Is it Medical, Behavioral, or Both? <i>Frank</i>	<b>106</b> Corneal Ulcers: A Real Pain in the Eye <i>S. Bell</i>	<b>112</b> Herniorrhaphy in Ruminants <i>Lozier</i>	<b>118</b> Stressed at Your Practice? Holistic and Homeopathic Approaches Help Staff and Clients <i>Chambreau</i>	<b>124</b> Don't Prolong the Suffering: Treatment Options for Chronic Pain, Part I <i>Grubb</i>	<b>130</b> Tips and Tricks for Managing Extraction Complications <i>Snyder</i>
9:15 – 10:15					
<b>101</b> Signs of Gastrointestinal Disorders in Dogs, Part I: Repetitive Surface Licking <i>Frank</i>	<b>107</b> Ocular Emergencies: In the Blink of an Eye <i>S. Bell</i>	<b>113</b> Left Flank Laparotomy in Ruminants <i>Lozier</i>	<b>119</b> Homeopathy for Acute Problems: Immediate Treatments While You Wait <i>Chambreau</i>	<b>125</b> Don't Prolong the Suffering: Treatment Options for Chronic Pain, Part II <i>Grubb</i>	<b>131</b> Regional Anesthesia for Dentistry Patients: The How's and Why's <i>Snyder</i>
10:30 – 11:30					
<b>102</b> Signs of Gastrointestinal Disorders in Dogs, Part II: Repetitive Fly Biting <i>Frank</i>	<b>108</b> Equine Recurrent Uveitis: A Sight for Sore Eyes <i>S. Bell</i>	<b>114</b> Managing Bovine Dystocia in the Field (Sometimes, Literally, in a Field) <i>F. Anderson</i>	<b>120</b> Homeopathy for Skin Issues: Soothe Symptoms While Preventing Recurrences <i>Chambreau</i>	<b>126</b> Local & Regional Blocks: Which Ones Can You Use in Your Practice? <i>Grubb</i>	<b>132</b> Juvenile Dental Conditions: Procedures and Conversations to Have on Day One <i>Snyder</i>
<b>« LUNCH &amp; EXHIBIT HALL BREAK » 11:30 – 1:30</b>					
1:30 – 2:30					
<b>103</b> Pica in Cats: What We Know and What We Don't <i>Frank</i>	<b>109</b> Exc-eye-ting Innovations in Equine Ophthalmology <i>S. Bell</i>	<b>115</b> "Swientist": Risk and Prevention of Zoonotic Disease <i>Nolting</i>	<b>121</b> Homeopathic Treatment of GI Issues: More Than Symptomatic Treatment <i>Chambreau</i>	<b>127</b> What Are They Hiding? Pain Assessment Made Easy <i>Grubb</i>	<b>133</b> Periodontal Disease, Part I: Establishing Diagnosis and Effective Instrument Use <i>Snyder</i>
2:45 – 3:45					
<b>104</b> Painful Medical Conditions and Anxiety Disorders: Importance of Comorbidities <i>Frank</i>	<b>110</b> Equine Skin Cancer: Treatments in the Field <i>Mudge</i>	<b>116</b> Utilization of Technicians in Ambulatory Practice <i>Middleton</i>	<b>122</b> Decreasing Your Environmental Impact: Holistic Approaches are More Sustainable <i>Chambreau</i>	<b>128</b> Don't Touch Me! Sedation and Anesthesia for Fractious and Aggressive Patients <i>Grubb</i>	<b>134</b> Periodontal Disease, Part II: Keys to Successful Treatment <i>Snyder</i>
4:00 – 5:00					
<b>105</b> Puppy Behavior in the Veterinary Clinic: The Outliers <i>Frank</i>	<b>111</b> Equine Cancer: How to Determine Prognosis and When to Refer <i>Mudge</i>	<b>117</b> The Veterinarian's Role in Meat Inspection <i>Hirschbach</i>	<b>123</b> Deeper Dive into the Healing Potential of Homeopathy: Specific Steps to Individualization <i>Chambreau</i>	<b>129</b> Make it Purrrfect! Anesthesia & Analgesia for Cats <i>Grubb</i>	<b>135</b> Working Up Oral Masses: From Biopsy to Discussing Options <i>Snyder</i>
<b>« EXHIBIT HALL HOUR » 5:00 – 6:00</b>					

MVC Hybrid		MVC Hybrid		
PET ANIMAL ONCOLOGY	PET ANIMAL RADIOLOGY	PRACTICE MANAGEMENT I	PRACTICE MANAGEMENT II	PUBLIC HEALTH
8:00 – 9:00				
<b>136</b> Oncology Topic TBA <i>Husbands</i>	<b>142</b> Diagnosing Gastrointestinal Obstructions: Tips and Tricks <i>Seitz</i>	<b>148</b> Ohio Veterinary Medical Licensing Board Update <i>Kolb &amp; Riker-Brown</i>	<b>154</b> Online Presence and Your Practice <i>R. Bell</i>	<b>160A.</b> The Changing Landscape of Tick Populations – <i>Beverley</i>  <b>160B.</b> Incident Command System Training – <i>Swisher</i>
9:15 – 10:15				
<b>137</b> Oncology Topic TBA <i>Husbands</i>	<b>143</b> Diagnosing Abdominal Organ Torsions: Twisted in Every Way <i>Seitz</i>	<b>149</b> Pharmacy Regulations for Veterinary Practices <i>Speaker TBA</i>	<b>155</b> Personal and Professional Branding: Diversifying Your Income Outside the Practice <i>R. Bell</i>	<b>161</b> Foreign Animal Diseases: Ongoing Prevention and Control Efforts <i>Arruda</i>
10:30 – 11:30				
<b>138</b> Oncology Topic TBA <i>Husbands</i>	<b>144</b> Imaging the Blocked Cat: A Clinically Relevant Review <i>Seitz</i>	<b>150</b> Drug Compounding in Veterinary Practice: Who's in Charge Here? <i>Verbsky</i>	<b>156</b> Branding Your Practice Doesn't Have to Hurt! <i>R. Bell</i>	<b>162</b> Sustainability in Veterinary Medicine, Part I: Animal Health Impacts of Our Changing Climate <i>Duncan</i>
<b>« LUNCH &amp; EXHIBIT HALL BREAK »</b> 11:30 – 1:30				
1:30 – 2:30				
<b>139</b> Oncology Topic TBA <i>Husbands</i>	<b>145</b> Getting Started with Ultrasound: What You Need to Know <i>Seitz</i>	<b>151</b> Blueprint Reading 101 <i>Allen</i>	<b>157</b> Gaslighting: A Guide for Burning Your Practice Culture to The Ground <i>R. Bell</i>	<b>163</b> Sustainability in Veterinary Medicine, Part II: Education to Meet Animal Health Needs <i>Duncan</i>
2:45 – 3:45				
<b>140</b> Oncology Topic TBA <i>Husbands</i>	<b>146</b> Getting the Most Out of Your Abdominal Point-of-Care Ultrasound <i>Seitz</i>	<b>152</b> How to Speak and Understand Construction <i>Allen</i>	<b>158</b> What the !@#\$ is My Team Thinking? <i>R. Bell</i>	<b>164</b> Sustainability in Veterinary Medicine, Part III: Implementation in Clinical Practice NOW <i>Duncan</i>
4:00 – 5:00				
<b>141</b> Oncology Topic TBA <i>Husbands</i>	<b>147</b> Cats are Not Dogs When it Comes to Abdominal Ultrasound <i>Seitz</i>	<b>153</b> Selecting the Right Materials to Avoid Maintenance Woes <i>Allen</i>	<b>159</b> Zero Stars, Do Not Recommend: Managing Negative Reviews Online <i>R. Bell</i>	<b>165</b> Sustainability in Veterinary Medicine, Part IV: Advancing Sustainability Across the Profession <i>Duncan</i>
<b>« EXHIBIT HALL HOUR »</b> 5:00 – 6:00				
SPONSORS				





SHELTER ANIMAL I HUMANE AGENT TRAINING	SHELTER ANIMAL II	TECHNICIAN I	TECHNICIAN II	HANDS-ON LABS & WORKSHOPS
8:00 – 9:00				
<b>166</b> HUMANE-izing the Badge <i>Ettinger</i>	<b>172</b> Shelter Emergencies, Part I <i>Yurick</i>	<b>178</b> Basic Reptile Care and Clinical Techniques, Part I: Lizards <i>Wilson</i>	<b>184</b> Protecting the Title of Veterinary Technicians <i>Rauscher</i>	
9:15 – 10:15				
<b>167</b> Dropping the Dogcatcher and the Pound(s), Part I <i>Ettinger</i>	<b>173</b> Shelter Emergencies, Part II <i>Yurick</i>	<b>179</b> Basic Reptile Care and Clinical Techniques, Part II: Chelonians <i>Wilson</i>	<b>185</b> Ohio Scope of Practice: Who Can Do What and When? <i>Rauscher</i>	
10:30 – 11:30				
<b>168</b> Dropping the Dogcatcher and the Pound(s), Part II <i>Ettinger</i>	<b>174</b> Shelter Emergencies, Part III <i>Yurick</i>	<b>180</b> Basic Avian Care and Clinical Techniques <i>Wilson</i>	<b>186</b> Accredited Veterinary Technology Programs <i>Rauscher</i>	
<b>« LUNCH &amp; EXHIBIT HALL BREAK »</b> 11:30 – 1:30				
1:30 – 2:30				
<b>169</b> Relationship Between Animal Abuse and Family Violence, Part I <i>Ettinger</i>	<b>175</b> Ohio Pharmacy Regulations for Shelters <i>Speaker TBA</i>	<b>181</b> Common Diseases and Treatment of Birds and Reptiles <i>Wilson</i>	<b>187</b> Compensation and Retention Strategies <i>Rauscher</i>	<b>A*</b> 11:45 – 1:15 End of Life in Veterinary Medicine: Euthanasia, Natural Death, and Moral Distress <i>Yaxley</i>
2:45 – 3:45				
<b>170</b> Relationship Between Animal Abuse & Family Violence, Part II <i>Ettinger</i>	<b>176</b> Ohio Infectious Waste Regulations Pertaining to Shelters <i>Speaker TBA</i>	<b>182</b> Care of Small Mammals, Part I: Basic Care and Clinical Techniques <i>Wilson</i>	<b>188</b> Leveraging Veterinary Technician Specialists in Practice <i>Rauscher</i>	
4:00 – 5:00				
<b>171</b> Dog Breed Identification Showdown <i>Ettinger</i>	<b>177</b> Best Practices for Today's Challenges in Shelter Management <i>Speaker TBA</i>	<b>183</b> Care of Small Mammals, Part II: Common Diseases and Treatment <i>Wilson</i>	<b>189</b> Going the Distance: Career Longevity for Veterinary Staff <i>Rauscher</i>	
<b>« EXHIBIT HALL HOUR »</b> 5:00 – 6:00				
SPONSORS				



\*Additional fee and advance registration required.

MVC Hybrid		MVC Hybrid		MVC Hybrid	
ANIMAL BEHAVIOR I	ANIMAL BEHAVIOR II	EQUINE	FOOD ANIMAL	HOLISTIC & INTEGRATIVE MED.	PET ANIMAL CARDIOLOGY
8:00 – 9:00					
<b>200</b> Feline-Friendly Handling <i>Gruen</i>	<b>206</b> Body Language: Reading, Interrupting, and Responding <i>Czarnomski</i>	<b>209</b> Equine Sinus Disease <i>McCracken</i>	<b>215</b> Bovine Embryo Transfer, Part I: What Is It, and Why Do It? <i>J. Anderson</i>	<b>221</b> Introduction to Western Veterinary Herbal Medicine <i>Tsakiris</i>	<b>227</b> Point-of-Care Ultrasound for Emergency Diagnosis of Congestive Heart Failure <i>Ward</i>
9:15 – 10:15					
<b>201</b> Environmental Needs for Cats with OA/DJD, Part I <i>Gruen</i>	<b>207</b> Safe Dog Handling, Part I: Managing Dogs in Veterinary Environments <i>Czarnomski</i>	<b>210</b> Equine Respiratory Emergencies <i>McCracken</i>	<b>216</b> Bovine Embryo Transfer, Part II: How Do We Get the Embryos? <i>J. Anderson</i>	<b>222</b> Getting Started: Top Five Herbs for Veterinary Practice <i>Tsakiris</i>	<b>228</b> When Should I Prescribe Pimobendan? <i>Ward</i>
10:30 – 11:30					
<b>202</b> Environmental Needs for Cats with OA/DJD, Part II <i>Gruen</i>	<b>208</b> Safe Dog Handling, Part II: Managing Dogs Everywhere Else <i>Czarnomski</i>	<b>211</b> Equine Colic, Part I: When to Refer <i>McCracken</i>	<b>217</b> Bovine Embryo Transfer, Part III: How Do We Get the Calves? <i>J. Anderson</i>	<b>223</b> Herbal Medicine for the Stressed-Out Pet <i>Tsakiris</i>	<b>229</b> Rational Dose Selection for ACE Inhibitors in Dogs <i>Ward</i>
<b>« LUNCH &amp; EXHIBIT HALL BREAK » 11:30 – 1:30</b>					
1:30 – 2:30					
<b>203</b> House Soiling in Cats <i>Gruen</i>	<b>B1*</b> 1:30 – 3:00 Conflict Resolution with Canines <i>Czarnomski</i>	<b>212</b> Equine Colic, Part II: Case Discussion <i>McCracken</i>	<b>218</b> Bovine Embryo Transfer, Part IV: How Do Veterinarians Get Involved? <i>J. Anderson</i>	<b>224</b> In the Ozone, Part I: Introduction <i>Joaquim</i>	<b>230</b> Case Studies in Canine Heart Disease <i>Ward</i>
2:45 – 3:45					
<b>204</b> Psychopharmacology in Cats <i>Gruen</i>	<b>B2*</b> 3:30 – 5:00 Conflict Resolution with Canines <i>Czarnomski</i>	<b>213</b> Stifle Lameness <i>McCracken</i>	<b>219</b> Update on Emerging and Reemerging Avian Diseases <i>Landim de Barros</i>	<b>225</b> In the Ozone, Part II: Recent Research <i>Joaquim</i>	<b>231</b> Case Studies in Feline Heart Disease <i>Ward</i>
4:00 – 5:00					
<b>205</b> Case-Based Approach to Behavior Problems in Cats <i>Gruen</i>		<b>214</b> Lameness of the Equine Hock <i>McCracken</i>	<b>220</b> Highly Pathogenic Avian Influenza: Lessons Learned in Regulatory Medicine <i>Shaw</i>	<b>226</b> In the Ozone, Part III: Use in Small Animals <i>Joaquim</i>	<b>232</b> Case Studies in Tachyarrhythmia Management <i>Ward</i>
<b>« EXHIBIT HALL HOUR » 5:00 – 6:00</b>					

\*Additional fee and advance registration required.



Sessions 224–226





MVC Hybrid ■■		MVC Hybrid ■■			
PET ANIMAL ENDOCRINOLOGY	PET ANIMAL EXOTICS	PET ANIMAL ORTHOPEDIC SURGERY	PRACTICE MANAGEMENT I	PRACTICE MANAGEMENT II	PUBLIC HEALTH
8:00 – 9:00					
<b>233</b> Diabetes Mellitus in Dogs and Cats, Part I <i>Bruyette</i>	<b>239</b> Mitigating Anesthetic Risk for Exotic Companion Mammal Species <i>Lennox</i>	<b>245</b> Multimodal Management of Canine Osteoarthritis <i>Jaffe</i>	<b>251</b> Six Steps to Starting or Maintaining a Hospital Safety Program <i>Seibert</i>	<b>257</b> Making Sense of the Markets: The Economic State of the Veterinary Profession <i>Neill</i>	<b>263</b> United States Department of Agriculture Updates <i>Skorupski</i>
9:15 – 10:15					
<b>234</b> Diabetes Mellitus in Dogs and Cats, Part II <i>Bruyette</i>	<b>240</b> Surgical Elective Altering: There's More Than One Way to Do It <i>Lennox</i>	<b>246</b> Canine Physical Therapy and Rehabilitation for the Small Animal Practitioner <i>Jaffe</i>	<b>252</b> Top Safety Problems in a Veterinary Hospital <i>Seibert</i>	<b>258</b> Emphasis on Equine: The State of the Equine Veterinary Profession <i>Hansen</i>	<b>264</b> Ohio Department of Agriculture Updates <i>Leon &amp; Summers</i>
10:30 – 11:30					
<b>235</b> Canine Hyperadrenocorticism, Part I <i>Bruyette</i>	<b>241</b> CPR and Critical Care for Exotic Species <i>Lennox</i>	<b>247</b> Feline Orthopedic Exam <i>Jaffe</i>	<b>253</b> Surviving an OSHA Inspection <i>Seibert</i>	<b>259</b> Understanding the Next Generation of Veterinary Professionals <i>Bain</i>	<b>265</b> Ohio Public Health Updates <i>Machesky &amp; Messer</i>
<b>« LUNCH &amp; EXHIBIT HALL BREAK » 11:30 – 1:30</b>					
1:30 – 2:30					
<b>236</b> Canine Hyperadrenocorticism, Part II <i>Bruyette</i>	<b>242</b> Palliative Care and Stress-Free Euthanasia for Exotic Pet Species <i>Lennox</i>	<b>248</b> Diagnosis and Treatment of Muscle Injuries in Dogs <i>Jaffe</i>	<b>254</b> Security & Access for Controlled Drugs <i>Seibert</i>	<b>260</b> Talking the Talk: The Language of Veterinary Care <i>Hansen</i>	<b>266</b> Antibiotic-Resistant <i>Campylobacter</i> Outbreaks in Puppies and People <i>Nichols</i>
2:45 – 3:45					
<b>237</b> Feline Hyperthyroidism <i>Bruyette</i>	<b>243</b> Dentistry of Exotic Companion Mammals, Part I: Diagnosis and Initial Treatment <i>Lennox</i>	<b>249</b> Regenerative Therapy in Small Animal Practice <i>Jaffe</i>	<b>255</b> Controlled Drug Logs: Documenting the "Ins" and "Outs" <i>Seibert</i>	<b>261</b> Understanding and Improving Companion Animal Veterinary Practice Efficiency <i>Ouedraogo</i>	<b>267</b> Preventing Spread of Hospital-Acquired Antibiotic-Resistant Infections <i>Nichols</i>
4:00 – 5:00					
<b>238</b> Canine Hypothyroidism <i>Bruyette</i>	<b>244</b> Dentistry of Exotic Companion Mammals, Part II: Abscesses and Osteomyelitis <i>Lennox</i>	<b>250</b> Diagnosis and Treatment of Forelimb Lameness in Dogs <i>Jaffe</i>	<b>256</b> Fixing Controlled Drug Problems in Your Practice <i>Seibert</i>	<b>262</b> Talented Technicians Could Transform Tomorrow <i>Neill</i>	<b>268</b> <i>A Salmonella</i> Epidemic: Transmission Between People and Pets <i>Nichols</i>
<b>« EXHIBIT HALL HOUR » 5:00 – 6:00</b>					

SPONSORS



MVC Hybrid		MVC Hybrid		MVC Hybrid	
SHELTER ANIMAL	SMALL RUMINANTS	STAFF DEVELOPMENT	TECHNICIAN I	TECHNICIAN II	HANDS-ON LABS & WORKSHOPS
8:00 – 9:00					
<b>269</b> Behavior Modification in Shelter Dogs <i>Herron</i>	<b>275</b> Updates on Chronic Wasting Disease and Scrapie in Ohio <i>Bercaw &amp; Summers</i>	<b>281</b> The Voices in Your Head: Meet the Wily Cast of Characters that Defines Your Daily Experience <i>VanDeWater</i>	<b>287</b> Client Communication Tips for the Veterinary Technician <i>Porter</i>	<b>293</b> Don't Just Count Teeth: Oral Anatomy and Terminology <i>Rollings</i>	
9:15 – 10:15					
<b>270</b> Better Living Through Chemistry, Part I: Psychopharmacology for Shelter Dogs <i>Herron</i>	<b>276</b> Cervid Care, Part I: Herd Management & Anesthesia <i>Wagner</i>	<b>282</b> The Secret Formula of Life: A Simple Approach to Rationing Energy and Finding Solutions <i>VanDeWater</i>	<b>288</b> Upping Your Tech Game: Increase Career Satisfaction <i>Porter</i>	<b>294</b> The Dental Procedure Day: From the Exam Room to the Dental Table <i>Rollings</i>	
10:30 – 11:30					
<b>271</b> Better Living Through Chemistry, Part II: Psychopharmacology for Veterinary Handling <i>Herron</i>	<b>277</b> Cervid Care, Part II: Medicine & Surgery <i>Wagner</i>	<b>283</b> Digging Out: A New Perspective on Managing Chronic Stress <i>VanDeWater</i>	<b>289</b> Nursing Care for the Critical Patient: A Veterinary Technician's Role <i>Porter</i>	<b>295</b> More than Missing Teeth: Dental and Oral Abnormalities <i>Rollings</i>	
<b>« LUNCH &amp; EXHIBIT HALL BREAK » 11:30 – 1:30</b>					
1:30 – 2:30					
<b>272</b> Behavior Evaluations in Shelter Dogs: What Does the Science Say? <i>Herron</i>	<b>278</b> Cervid Care, Part III: Fawn Care <i>Wagner</i>	<b>284</b> Tapping In: How to Access Empathy, Even When It's Incredibly Tough <i>VanDeWater</i>	<b>290</b> Working Toward Your Veterinary Technician Specialist Credential <i>Porter</i>	<b>296</b> Introduction to Dental Radiography Positioning and Techniques <i>Rollings</i>	<b>B1*</b> 1:30 – 3:00 Conflict Resolution with Canines <i>Czarnomski</i>
2:45 – 3:45					
<b>273</b> Triaging Behavior Concerns Post-Adoption <i>Herron</i>	<b>279</b> Ohio Small Ruminant Production: Common Challenges and Questions <i>Campbell</i>	<b>285</b> The Connection: The Why and How of Building Trust and Earning Influence <i>VanDeWater</i>	<b>291</b> Blood Transfusions: The Technician's Guide to How and Why <i>Porter</i>	<b>297</b> Name that Bite: Recognizing Canine and Feline Malocclusions <i>Rollings</i>	<b>B2*</b> 3:30 – 5:00 Conflict Resolution with Canines <i>Czarnomski</i>
4:00 – 5:00					
<b>274</b> A Peaceful Ending: Behavior Euthanasia for Shelter Dogs <i>Herron</i>	<b>280</b> Catching up on Cache Valley Virus <i>Gordon</i>	<b>286</b> All Together Now: Applying Emotional Intelligence Skills in Real-Life Scenarios <i>VanDeWater</i>	<b>292</b> Pain: Recognizing and Advocating for Veterinary Patients <i>Porter</i>	<b>298</b> What's that Smell? Understanding Periodontal Disease <i>Rollings</i>	
<b>« EXHIBIT HALL HOUR » 5:00 – 6:00</b>					

SPONSORS



\*Additional fee and advance registration required.



		MVC Hybrid		MVC Hybrid	
ANIMAL BEHAVIOR	EQUINE	FOOD ANIMAL	HOLISTIC & INTEGRATIVE MED.	PET ANIMAL CRIT. CARE & EMERGENCY	PET ANIMAL DERMATOLOGY
8:00 – 9:00					
<b>300</b> Fear, Anxiety, and Phobia in Dogs <i>Gruen</i>	<b>306</b> Equine Lyme Disease: Diagnosis, Treatments, and Prevention <i>Divers</i>	<b>312</b> New Concepts on Hyperketonemia <i>Caixeta</i>	<b>318</b> Hormone Helpers: Phytotherapy for the Endocrine System <i>Tsakiris</i>	<b>324</b> Hepatotoxins in Dogs and Cats <i>Deming</i>	<b>330</b> Veterinary Dermatology from A to Z, Part I: A to M <i>Drake</i>
9:15 – 10:15					
<b>301</b> Separation Anxiety in Dogs <i>Gruen</i>	<b>307</b> Use of Glucocorticoids in Equine Practice <i>Divers</i>	<b>313</b> Behind a Successful Lactation is a Proper Dry-Off, Part I <i>Caixeta</i>	<b>319</b> Integrating Herbs into General Practice, Part I <i>Tsakiris</i>	<b>325</b> Renal Toxins in Dogs and Cats <i>Deming</i>	<b>331</b> Veterinary Dermatology from A to Z, Part II: N to Z <i>Drake</i>
10:30 – 11:30					
<b>302</b> Psychopharmacology in Dogs <i>Gruen</i>	<b>308</b> Equine Urinary Tract Disorders: What Every Practitioner Should Know <i>Divers</i>	<b>314</b> Behind a Successful Lactation is a Proper Dry-Off, Part II <i>Caixeta</i>	<b>320</b> Integrating Herbs into General Practice, Part II <i>Tsakiris</i>	<b>326</b> Beyond the Fluid Bolus: Treating Shock in Dogs and Cats <i>Deming</i>	<b>332</b> Managing Otitis: Why the Drama? <i>Drake</i>
<b>« LUNCH &amp; EXHIBIT HALL BREAK »</b> 11:30 – 1:30					
1:30 – 2:30					
<b>303</b> Measuring and Understanding Cognition in Dogs <i>Gruen</i>	<b>309</b> Equine Liver Disease: An Update on Infectious Hepatitis in Horses <i>Divers</i>	<b>315</b> Monitoring the Transition Period <i>Caixeta</i>	<b>321</b> In the Ozone, Part IV: Use in Large Animals <i>Joaquim</i>	<b>327</b> Dystocia and Reproductive Emergencies <i>Deming</i>	<b>333</b> Dermatology Diagnostics: How, When, and Why Culture Pyoderma? What Should I Biopsy? <i>Drake</i>
2:45 – 3:45					
<b>304</b> Cognitive Dysfunction: Diagnosis and Management <i>Gruen</i>	<b>310</b> Leptospirosis and Anaplasmosis: A Review of Two Important Equine Diseases <i>Divers</i>	<b>316</b> Hypocalcemia Revisited <i>Caixeta</i>	<b>322</b> In the Ozone, Part V: Use in Wild Animals <i>Joaquim</i>	<b>328</b> What's New with Blocked Cats? <i>Deming</i>	<b>334</b> Bacterial Pyoderma: Are we STILL Talking about Staph? <i>Drake</i>
4:00 – 5:00					
<b>305</b> Case-Based Approach to Behavior Problems in Dogs <i>Gruen</i>	<b>311</b> Neurologic Disorders That are Not EPM, EDM, EHV-1, or CCM <i>Divers</i>	<b>317</b> Optimizing Management and Labor in Farms with Automated Monitoring Systems <i>Caixeta</i>	<b>323</b> In the Ozone, Part VI: Use with Other Rehabilitation Techniques <i>Joaquim</i>	<b>329</b> Calming Critters in the E.R. <i>Deming</i>	<b>335</b> Is THIS Autoimmune Skin Disease? <i>Drake</i>
SPONSORS					



MVC Hybrid		MVC Hybrid		MVC Hybrid	
PET ANIMAL GASTROENTEROLOGY	PET ANIMAL OPHTHALMOLOGY	PRACTICE MANAGEMENT I	PRACTICE MANAGEMENT II	PUBLIC HEALTH	RECENT GRADS CYTOLOGY
8:00 – 9:00					
<b>336</b> Clinical Approach to Chronic Enteropathy in the Dog <i>Gallagher</i>	<b>342</b> I'm Looking at You: Ophthalmic Exam in Private Practice <i>Myrna</i>	<b>348</b> Financial Bootcamp for New Practice Owners <i>Bailey</i>	<b>354</b> What We Can Learn from Mongolian Veterinarians <i>Bieck</i>	<b>360</b> Livestock Abortion-Associated Zoonoses: Knowledge vs. Practice <i>Nichols</i>	<b>366</b> Getting Started: Tips for Sample Collection, Preparation, and Interpretation <i>Baker</i>
9:15 – 10:15					
<b>337</b> Clinical Approach to Chronic Enteropathy in the Cat <i>Gallagher</i>	<b>343</b> Glaucoma in Private Practice <i>Myrna</i>	<b>349</b> Planning Pays! How to Budget and Manage Cash Flow <i>Bailey</i>	<b>355</b> How to be a Leader When You are Not in Charge <i>Bieck</i>	<b>361</b> Applying Antibiotic Stewardship in Veterinary Settings <i>Nichols</i>	<b>367</b> What Am I Looking At?! Simplify Your Life by Using the Cytologic Algorithm <i>Baker</i>
10:30 – 11:30					
<b>338</b> Pancreatitis in the Dog: Diagnosis and Management <i>Gallagher</i>	<b>344</b> When the Ulcer Doesn't Heal: Tips for Non-Healing Corneal Ulcers <i>Myrna</i>	<b>350</b> Inventory: Change is the New Constant! <i>Bailey</i>	<b>356</b> How to Perform a Compassionate Euthanasia <i>Bieck</i>	<b>362</b> The Continuing Threat of Canine Leptospirosis <i>Moore</i>	<b>368</b> Cytology of Round Cell Tumors <i>Baker</i>
<b>&lt;&lt; LUNCH &amp; EXHIBIT HALL BREAK &gt;&gt;</b> 11:30 – 1:30					
1:30 – 2:30					
<b>339</b> Clinical Approach to Abnormal Liver Enzymes in Dogs and Cats <i>Gallagher</i>	<b>345</b> From Cherry Eye to Entropion: Surgical Procedures for Private Practitioners <i>Myrna</i>	<b>351</b> Managing Labor Costs in Challenging Times <i>Bailey</i>	<b>357</b> Compassion Fatigue and Burnout: Learning from Our Mistakes <i>Bieck</i>	<b>363</b> Lyme Disease: A Concern for the Dog, or Just the Owner? <i>Moore</i>	<b>369</b> Common Skin Mass Cytologies <i>Baker</i>
2:45 – 3:45					
<b>340</b> Chronic Liver Disease in the Dog: Terminology, Diagnosis, and Management <i>Gallagher</i>	<b>346</b> Eyes on Fire: Uveitis <i>Myrna</i>	<b>352</b> Giving Your Clinic a Financial Exam <i>Bailey</i>	<b>358</b> The Car Mechanic, the Dentist, and the M.D.: What Can We Learn? <i>Bieck</i>	<b>364</b> Should I Be Concerned About Vaccine Safety? <i>Moore</i>	<b>370</b> Cytologic Curiosities of the Cat <i>Baker</i>
4:00 – 5:00					
<b>341</b> Chronic Liver Disease in the Cat: Terminology, Diagnosis, and Management <i>Gallagher</i>	<b>347</b> Illuminating the Black Box: Sudden Blindness in Dogs and Cats <i>Myrna</i>	<b>353</b> Has the Bubble Burst? Steps to Increase Your Practice Value <i>Bailey</i>	<b>359</b> Increase Your Client Base and Compliance with One Powerful Word <i>Bieck</i>	<b>365</b> Communicating the Importance of Vaccination in a Vaccine-Hesitant World <i>Moore</i>	<b>371</b> Cytology from the Trenches: When the Microscope Cracked the Case <i>Baker</i>
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SHELTER ANIMAL	SMALL RUMINANTS	STAFF DEVELOPMENT	TECHNICIAN I	TECHNICIAN II	HANDS-ON LABS & WORKSHOPS	
8:00 – 9:00						
<b>372</b> ASV Shelter Guidelines, Part I: What's New and Why We Care <i>Berliner</i>	<b>378</b> Procedures and Pain Control for Kids and Lambs <i>Still-Brooks</i>	<b>384</b> The Modern Veterinary Professional <i>Quammen &amp; Smith</i>	<b>390</b> Breathe In, Breathe Out: The Ins and Outs of Capnography <i>Lafferty</i>	<b>396</b> Sedation and Regional Anesthesia for Farm Animals <i>Lozier</i>	<b>C*</b> 8:30 – 11:30 Common Gastrointestinal Parasites of Dogs and Cats <i>Marsh</i>	
9:15 – 10:15						
<b>373</b> ASV Shelter Guidelines, Part II: Medical and Surgical Program Updates <i>Berliner</i>	<b>379</b> Troubleshooting Small Ruminant Forage-Based Nutrition <i>Still-Brooks</i>	<b>385</b> Stuck, Broke, and Frustrated: Not A Badge of Honor <i>Quammen &amp; Smith</i>	<b>391</b> Beyond the Bag: Mechanical Ventilation Made Practical <i>Lafferty</i>	<b>397</b> Basics of Blocked Goats <i>Lozier</i>		
10:30 – 11:30						
<b>374</b> ASV Shelter Guidelines, Part III: Shelter Population Management <i>Berliner</i>	<b>380</b> Chemotherapeutics & Antimicrobial Use in Small Ruminant Practice <i>Still-Brooks</i>	<b>386</b> The "FAST" Slowdown <i>Quammen &amp; Smith</i>	<b>392</b> Receptor Soup: Creating the Right Recipe for Hypotensive Patients <i>Lafferty</i>	<b>398</b> Fluid Therapy on the Farm <i>Lozier</i>		
<b>« LUNCH &amp; EXHIBIT HALL BREAK »</b> 11:30 – 1:30						
1:30 – 2:30						
<b>375</b> ASV Shelter Guidelines, Part IV: Behavior and Mental Well-Being <i>Donnett</i>	<b>381</b> The Big Three of Biosecurity Screening in Small Ruminants <i>Still-Brooks</i>	<b>387</b> The Five: Key Influencers For Your Success <i>Quammen &amp; Smith</i>	<b>393</b> A Wing and a Prayer: Resuscitation in Exotic Animal Species <i>Lafferty</i>	<b>399</b> The Laboratory Animal Research Technician, Part I: Introduction <i>Williams</i>		
2:45 – 3:45						
<b>376</b> ASV Shelter Guidelines, Part V: Facilities & Sanitation <i>Donnett</i>	<b>382</b> Anemias and Transfusion Medicine <i>Carman</i>	<b>388</b> The Habit Stack for Daily Success <i>Quammen &amp; Smith</i>	<b>394</b> Opioids: So Many Choices, So Little Time <i>Lafferty</i>	<b>400</b> The Laboratory Animal Research Technician, Part II: Many Career Opportunities <i>Williams</i>		
4:00 – 5:00						
<b>377</b> ASV Shelter Guidelines, Part VI: Disaster Response and Forensics <i>Donnett</i>	<b>383</b> Common Procedures and Field Anesthesia in Small Ruminants <i>F. Anderson</i>	<b>389</b> More Time, More Money, More Impact <i>Quammen &amp; Smith</i>	<b>395</b> To Glasgow and Beyond: Pain Scoring Systems <i>Lafferty</i>	<b>401</b> The Laboratory Animal Research Technician, Part III: Beyond Intravenous Catheter Placement <i>Williams</i>		

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\*Additional fee and advance registration required.

Note: The Ohio Veterinary Medical Association is pleased to provide a comprehensive educational program at the Midwest Veterinary Conference. However, please be aware that OVMA does not endorse and cannot be responsible for speakers' content.

## « Animal Behavior »

**100** 8:00 – 9:00 A.M.

### Abnormal Behavior: Is it Medical, Behavioral, or Both?

Diane Frank, DVM, DACVB

*Audience: V, T, BT // Level: 2*

In this lecture, participants will:

- Realize the similarities between some of the criteria used for medical disorders and those used for behavioral disorders
- Understand the distinction between behavioral problems (normal but undesirable behaviors) and behavioral disorders ("mental illness")
- Learn signs that are typical of behavioral disorders
- Learn to identify cases of comorbidity more efficiently

**101** 9:15 – 10:15 A.M.

### Signs of Gastrointestinal Disorders in Dogs, Part I: Repetitive Surface Licking

Diane Frank, DVM, DACVB

*Audience: V, T // Level: 2*

Dogs that lick surfaces repeatedly can end up vomiting. Some experts believe the repetitive behavior is a sign of an obsessive-compulsive disorder, whereas others believe the vomiting is a consequence of what the dog has ingested while licking. This lecture will discuss:

- The origin of the "obsessive-compulsive disorder" diagnosis in veterinary medicine
- Underlying gastrointestinal disorders identified in dogs presented for excessive licking of surfaces
- The value of asking owners about the presence of this repetitive behavior

**102** 10:30 – 11:30 A.M.

### Signs of Gastrointestinal Disorders in Dogs, Part II: Repetitive Fly Biting

Diane Frank, DVM, DACVB

*Audience: V, T // Level: 2*

In this lecture, participants will:

- Learn about underlying gastrointestinal disorders identified in dogs presented for fly biting
- Understand the importance of including gastrointestinal disorders in their list of differential diagnoses for fly biting, in order to treat and alleviate painful visceral conditions

**103** 1:30 – 2:30 P.M.

### Pica in Cats: What We Know and What We Don't

Diane Frank, DVM, DACVB

*Audience: V, T // Level: 2*

The focus of this presentation will be on seemingly healthy cats with pica. This lecture will discuss:

- How pica can present in cats with multiple systemic signs, as well as cats that otherwise appear healthy
- Why the definition of pica in healthy cats varies
- Recent publications on the topic

**104** 2:45 – 3:45 P.M.

### Painful Medical Conditions and Anxiety Disorders: Importance of Comorbidities

Diane Frank, DVM, DACVB

*Audience: V, T, BT // Level: 2*

This lecture will use a case presentation to highlight the following points:

- Compilation of all relevant clinical signs to orient us toward a medical disorder, a behavioral disorder, or comorbidity of both
- Importance of identifying comorbidities for overall treatment success of both the medical and the behavioral disorder
- Recent results published on medical and behavioral disorder comorbidity in dogs

**105** 4:00 – 5:00 P.M.

### Puppy Behavior in the Veterinary Clinic: The Outliers

Diane Frank, DVM, DACVB

*Audience: V, T, BT // Level: 2*

Puppy behavior in the veterinary clinic is variable, but most puppies will generally behave similarly. A small percentage ("the outliers") will behave very differently. In this lecture, participants will learn:

- Signs specific to the outlier puppies
- The persistence of these signs over time
- Red flags (i.e., potential indicators of behavioral disorders) of some behaviors seen in puppies

## « Equine »

**106** 8:00 – 9:00 A.M.

### Corneal Ulcers: A Real Pain in the Eye

Stephanie C. Bell, DVM, DACVO

*Audience: V // Level: 2*

Corneal ulcers in the horse are common and may threaten both vision and the globe itself. This session will cover:

- Diagnosis, classification, treatment, and prognosis of corneal ulcers in horses
- Distinguishing between simple and complicated ulcers
- How to identify the three most common causes of complicated ulcers
- Techniques for obtaining appropriate corneal samples for culture and cytology
- Placement of subpalpebral lavage (SPL)

**107** 9:15 – 10:15 A.M.

### Ocular Emergencies: In the Blink of an Eye

Stephanie C. Bell, DVM, DACVO

*Audience: V // Level: 2*

Horses are quite prone to ophthalmic emergencies. Appropriate diagnosis and treatment lead to improved outcomes. In this session, attendees will learn about:

- Triage, diagnosis, treatment, and prognosis of common ocular emergencies

• Evaluation and treatment of periocular, eyelid, and corneal trauma

• Evaluation and treatment of corneal foreign bodies, acute keratomalacia, deep stromal keratitis, and acute severe uveitis flares

• Standing enucleation in the horse, with references provided for more detail

**108** 10:30 – 11:30 A.M.

### Equine Recurrent Uveitis: A Sight for Sore Eyes

Stephanie C. Bell, DVM, DACVO

*Audience: V // Level: 2*

This lecture will focus on equine recurrent uveitis (ERU), past, present, and future, to aid in the clinician's understanding of this complicated and multifactorial disease. The following topics will be covered:

- ERU pathophysiology
- Diagnostics, as they relate to treatment and prognosis
- Treatments, including appropriate first-line primary care therapies, as well as options for referral care

**109** 1:30 – 2:30 P.M.

### Exc-eye-ting Innovations in Equine Ophthalmology

Stephanie C. Bell, DVM, DACVO

*Audience: V // Level: 2*

This lecture will focus on newer therapies that have become available for common ophthalmic diseases. Specific therapies to explore will include:

- Corneal collagen cross-linking for keratomalacia
- Intrastromal voriconazole injections for corneal stromal abscesses
- Laser photodynamic therapy for periocular neoplasia and immune-mediated keratitis (IMMK)
- Low-dose intravitreal gentamicin injections for equine recurrent uveitis (ERU)
- Suprachoroidal steroid injections for ERU

**110** 2:45 – 3:45 P.M.

### Equine Skin Cancer: Treatments in the Field

Margaret Mudge, VMD, DACVS, DACVECC

*Audience: V, T // Level: 1*

This session will introduce attendees to equine skin cancer treatments. Topics to be covered include:

- Surgery tips on case selection and getting good margins
- Topical treatments for sarcoid, squamous cell carcinoma, and melanoma
- Local chemotherapy dosing, handling, and decision making

**111** 4:00 – 5:00 P.M.

### Equine Cancer: How to Determine Prognosis and When to Refer

Margaret Mudge, VMD, DACVS, DACVECC

*Audience: V, T // Level: 2*

This session will cover:

- Equine cancer recurrence rates and follow-up treatment options in the field



- In-hospital options, including specialized surgery, electrochemotherapy, radiation therapy, and clinical trials
- Palliative treatment options for inaccessible and non-responsive tumors

## « Food Animal »

**112** 8:00 – 9:00 A.M.

### Herniorrhaphy in Ruminants

Joseph W. Lozier, DVM, M.S., DACVS-LA

*Audience: V // Level: 1, 2, 3*

Hernias can occur for a variety of reasons in a variety of locations. This session will cover common hernias encountered in ruminants and corrective techniques.

**113** 9:15 – 10:15 A.M.

### Left Flank Laparotomy in Ruminants

Joseph W. Lozier, DVM, M.S., DACVS-LA

*Audience: V // Level: 1, 2, 3*

Although fewer organs can be accessed via the left flank in ruminants, it is nonetheless a frequently required approach. This session will discuss indications and techniques for two of the most common procedures carried out via this approach: Rumenotomy and cesarean section.

**114** 10:30 – 11:30 A.M.

### Managing Bovine Dystocia in the Field (Sometimes, Literally, in a Field)

Foster E. Anderson, DVM

*Audience: V, T // Level: 1, 2*

This lecture will discuss:

- Various cow/calf presentations that cause dystocia
- Different techniques to correct these presentations
- Common equipment used to correct bovine dystocia, along with some specialized pieces of equipment
- Physical and chemical restraint/manipulation techniques to help correct dystocias

**115** 1:30 – 2:30 P.M.

### “Swientist”: Risk and Prevention of Zoonotic Disease

Jacqueline M. Nolting, Ph.D.

*Audience: V, T, MO, HS // Level: 1, 2, 3*

More than 80 percent of reported variant influenza A virus cases in the U.S. since 2011 were associated with agricultural fairs. In this session, attendees will learn about the “Swientist” educational program, which uses experiential learning models to educate youth on the risk and prevention of zoonotic diseases.

**116** 2:45 – 3:45 P.M.

### Utilization of Technicians in Ambulatory Practice

Gabe E. Middleton, DVM, DABVP

*Audience: V, T, MO // Level: 2*

Technicians and ambulatory support staff are an excellent way to improve efficiency, safety, communication, and overall quality of medicine in large animal practice. In this session, attendees will learn:

- How to educate clients on the ways in which

technicians can assist

- Practice situations where technicians are beneficial
- Potential ways to address veterinarian labor shortages with technicians

**117** 4:00 – 5:00 P.M.

### The Veterinarian’s Role in Meat Inspection

Bryan E. Hirschbach, DVM

*Audience: V // Level: 1*

This session will offer an overview of the following:

- Ohio’s meat inspection program
- The veterinarian’s role in meat inspection
- Common pathologies and their dispositions
- How this information can influence decision making on the farm

## « Holistic & Integrative Medicine »

*This track will be recorded for MVC Virtual*

**118** 8:00 – 9:00 A.M.

### Stressed at Your Practice? Holistic and Homeopathic Approaches Help Your Staff and Clients

Christina Chambreau, DVM, CVH

*Audience: V, T, MO, HS, SS // Level: 1, 2, 3*

These days, stress is unavoidable—but suffering is optional! This session will explore alternative methodologies—such as flower essences, essential oils, Tui Na, and Reiki—that can be used in your practice to reduce stress among staff and clients. Attendees will learn the foundations of homeopathic medicine, which will open up a variety of new possibilities and practicalities.

**119** 9:15 – 10:15 A.M.

### Homeopathy for Acute Problems: Immediate Treatments While You Wait

Christina Chambreau, DVM, CVH

*Audience: V, T, HS, SS // Level: 1, 2, 3*

Are you waiting for test results? Does the patient have a long wait before the next exam? Don’t allow them to suffer! Many acute conditions respond well to homeopathic treatments. This session will offer homeopathic options for abscesses, pain, insect bites, and digestive issues.

**120** 10:30 – 11:30 A.M.

### Homeopathy for Skin Issues: Soothe Symptoms While Preventing Recurrences

Christina Chambreau, DVM, CVH

*Audience: V, T, HS, SS // Level: 1, 2, 3*

Dermatological conditions can be some of the most stubborn to treat, and many conventional treatments are expensive or have undesirable side effects. In this session, attendees will learn how to use homeopathy in cases of allergic conditions, immune problems, alopecia, and acute and chronic otitis while avoiding serious sequela of suppressive treatments by drugs.

**121** 1:30 – 2:30 P.M.

### Homeopathic Treatment of Gastrointestinal Issues: More Than Symptomatic Treatment

Christina Chambreau, DVM, CVH

*Audience: V, T, HS, SS // Level: 1, 2, 3*

It’s common for patients to present for a variety of gastrointestinal issues, both acute and chronic. In this session, attendees will learn how to incorporate homeopathy as a key component in treatment plans for pancreatitis, chronic diarrhea, constipation and megacolon, vomiting, and obesity.

**122** 2:45 – 3:45 P.M.

### Decreasing the Environmental Impact of Your Practice: Holistic Approaches are More Sustainable

Christina Chambreau, DVM, CVH

*Audience: V, T, MO, HS, SS // Level: 1, 2, 3*

Reducing your carbon footprint has become more important than ever. This session will show attendees how to use holistic approaches to decrease a clinic’s environmental impact, including shopping locally, decreasing use of chemicals and drugs, coaching pet owners on effective home care, using hands-on healing methods, and more.

**123** 4:00 – 5:00 P.M.

### Deeper Dive into the Healing Potential of Homeopathy: Specific Steps to Individualization

Christina Chambreau, DVM, CVH

*Audience: V, T, HS, SS // Level: 2, 3*

This session will explore how practitioners can customize their homeopathic approach to each individual patient. Attendees will learn about case taking, indexing symptoms, referencing materia medica, choosing an appropriate medicine, evaluating the patient’s response, and modifying treatment plans accordingly.

## « Pet Animal » Anesthesia & Pain Management

*This track will be recorded for MVC Virtual*

**124-125** 8:00 – 10:15 A.M.

### Don’t Prolong the Suffering: Treatment Options for Chronic Pain

Tamara Grubb, DVM, Ph.D., DACVAA

*Audience: V, T // Level: 2*

Chronic pain can be incredibly difficult to manage, and yet patients with chronic pain are an ever-increasing part of our caseload. In this two-hour session, attendees will:

- Understand why chronic pain is a disease rather than a symptom
- Evaluate pain using chronic pain scales
- Delve deep into mechanisms, pros, and cons of numerous drugs and nonpharmacologic treatments

- Discover new treatment options
- Develop analgesic protocols for chronic pain in a case-based discussion

**126** 10:30 – 11:30 A.M.  
**Local & Regional Blocks: Which Ones Can You Use in Your Practice?**

Tamara Grubb, DVM, Ph.D., DACVAA

*Audience: V, T // Level: 2*

For a variety of reasons, local anesthetics should be used in a multimodal protocol in virtually every patient in every practice. This session will present a range of local anesthetic blocks that can be easily implemented in small animal practice. With the information from this lecture, attendees will be able to:

- Understand the importance of local anesthetics in a multimodal protocol
- Identify local and regional blocks that would fit into their practice
- Perform local and regional blocks for a variety of conditions and procedures

**127** 1:30 – 2:30 P.M.  
**What Are They Hiding? Pain Assessment Made Easy**

Tamara Grubb, DVM, Ph.D., DACVAA

*Audience: V, T, HS, SS, BT // Level: 2*

Pain can be difficult to recognize in animals, but identification is crucial for provision of adequate analgesia and promotion of animal health and welfare. In this session, attendees will:

- Explore a variety of pain assessment tools
- Practice pain assessment in a case-based segment
- Develop a plan for integrating pain assessment

**128** 2:45 – 3:45 P.M.  
**Don't Touch Me! Sedation and Anesthesia for Fractious and Aggressive Patients**

Tamara Grubb, DVM, Ph.D., DACVAA

*Audience: V, T, BT // Level: 2*

Fractious and aggressive patients can be very difficult and dangerous to anesthetize, both for the humans handling them and for the patients themselves. This session will cover:

- The role of pain in fractious and aggressive behavior
- Protocols, including administration of drugs at home prior to the veterinary visit and supportive handling of the patient once it arrives at the clinic
- The use of appropriate sedative, analgesic, and anesthetic drugs and dosages
- Anesthetic and recovery protocols for these patients, based on patient characteristics and medical needs

**129** 4:00 – 5:00 P.M.  
**Make it Purrrfect! Anesthesia & Analgesia for Cats**

Tamara Grubb, DVM, Ph.D., DACVAA

*Audience: V, T // Level: 2*

Cats may or may not be from outer space, but they do have some special anesthetic and analgesic needs when compared to other species. In this session, we will discuss the purrrfect anesthesia and pain

management protocols for cats. With the information from this lecture, attendees will be able to:

- Decrease anesthesia-related risk for morbidity/mortality in cats
- Maximize monitoring and physiologic support
- Develop cat-specific anesthetic protocols
- Develop cat-specific analgesic protocols for acute pain

*« Pet Animal »  
Dentistry*

**130** 8:00 – 9:00 A.M.  
**Tips and Tricks for Managing Extraction Complications**

Christopher J. Snyder, DVM, DAVDC

*Audience: V // Level: 1, 2, 3*

Dental extractions are a reality in everyday practice. Encountering complications when extracting teeth adds to patient comorbidities and increases time under general anesthesia. By the end of this session, attendees will be able to:

- Prepare a cost-effective strategy to improve their dentistry surgery environment
- Describe principles for oronasal fistula closure
- Describe instruments and troubleshooting techniques used for complicated extractions
- Explain strategies for root fragment removal

**131** 9:15 – 10:15 A.M.  
**Regional Anesthesia for Dentistry Patients: The How's and Why's**

Christopher J. Snyder, DVM, DAVDC

*Audience: V, T // Level: 1, 2, 3*

Regional anesthesia allows us to keep our patients safe under general anesthesia, to smooth the transition to recovery and reliance on systemic pain medications, and to improve the overall quality of life for the patient during the perioperative period. This session will:

- Discuss the toxic dose for the lidocaine family of drugs and how mixing other drugs may extend duration
- Describe local block techniques and when they are indicated
- List the anatomic landmarks for successful local block placement

**132** 10:30 – 11:30 A.M.  
**Juvenile Dental Conditions: Procedures and Conversations to Have on Day One**

Christopher J. Snyder, DVM, DAVDC

*Audience: V, T // Level: 1, 2*

Juvenile veterinary patients experience many changes during the first six months of life. Identifying painful conditions, both developmental and traumatic, is an important step in counseling clients and ensuring their pet experiences a successful, pain-free recovery. This session will:

- Describe the relationship between the upper and lower arcades, as well as their growth pattern as dictated by occlusion

- Identify painful conditions associated with malocclusions and provide an overview for treatment
- Describe considerations for specific techniques when performing deciduous tooth extraction
- Identify long-term effects of jaw fracture in juvenile patients, including what you and your clients should monitor for

**133** 1:30 – 2:30 P.M.  
**Periodontal Disease, Part I: Establishing Diagnosis and Effective Instrument Use**

Christopher J. Snyder, DVM, DAVDC

*Audience: V, T // Level: 1, 2*

Periodontal disease may be the most common condition affecting dogs and cats over three years of age. Being able to identify and treat periodontal disease during the early life stages provides the best opportunity to have lifelong positive impact on patients' lives. By the end of this session, participants will be able to:

- Identify signs and symptoms of periodontal disease in conscious patients
- Define the four stages of periodontal disease
- List major instruments in a periodontal pack and how they are used
- Describe the subgingival curette and working surface on each end
- List various oral health products and describe their mechanism of action

**134** 2:45 – 3:45 P.M.  
**Periodontal Disease, Part II: Keys to Successful Treatment**

Christopher J. Snyder, DVM, DAVDC

*Audience: V // Level: 2, 3*

After correctly diagnosing and assessing the extent of periodontal disease, it is time to recommend treatment. The success of any type of treatment, from simple to advanced, relies on the client's willingness to follow up and contribute to efforts of maintaining a healthy oral cavity. This session will:

- Discuss how and when root planing, with and without subgingival curettage, is appropriate
- Compare and contrast closed versus open root planing
- List the indications, mechanism of action, and techniques for application of locally acting antimicrobials
- Describe guided tissue regeneration and how to evaluate for successful outcome

**135** 4:00 – 5:00 P.M.  
**Working Up Oral Masses: From Biopsy to Discussing Options**

Christopher J. Snyder, DVM, DAVDC

*Audience: V // Level: 2, 3*

Discovery of an oral mass can be scary for pet owners. Early identification, a thorough workup, and correct diagnosis are vital to determining the best treatment options. Having these tools available and convincing clients of the urgent need to investigate can make the difference between a mass being "no big deal" to being "bad news." By the end of this presentation, attendees will be able to:



- Compare and contrast radiographic characteristics of different types of oral pathology
- Describe factors to consider when planning and performing oral tumor biopsies
- Educate clients on the pros and cons of major oral surgery, both perioperatively and long term

## « Pet Animal » Oncology

This track will be recorded for MVC Virtual

Session information for this track was unavailable at press time. Once available, it will be posted online at [www.mvcinfo.org/education](http://www.mvcinfo.org/education).

## « Pet Animal » Radiology

**142** 8:00 – 9:00 A.M.

### Diagnosing Gastrointestinal Obstructions: Tips and Tricks

Marc A. Seitz, DVM, DACVR, DABVP (Canine and Feline Practice)

Audience: V // Level: 2

Gastrointestinal obstructions are an important differential in dogs and cats with an acute history of vomiting. This session will review case examples to teach attendees techniques for maximizing radiographic yield to diagnose:

- Pyloric outflow obstruction (e.g., *left lateral projection, repeat radiographs, and pneumogastrogram*)
- Small intestinal mechanical obstruction (e.g., *small intestinal diameter and pneumocolonogram*)
- Linear foreign body (e.g., *wooden spoon compression radiography*)

**143** 9:15 – 10:15 A.M.

### Diagnosing Abdominal Organ Torsions: Twisted in Every Way

Marc A. Seitz, DVM, DACVR, DABVP (Canine and Feline Practice)

Audience: V // Level: 2

A rapid diagnosis is essential for a positive outcome in most cases of abdominal organ torsions. This session will review the radiographic features of common and uncommon organ torsions encountered in small animal medicine, including gastric dilatation and volvulus, 360-degree gastric dilatation and volvulus, colonic and splenic torsion, and mesenteric volvulus.

**144** 10:30 – 11:30 A.M.

### Imaging the Blocked Cat: A Clinically Relevant Review

Marc A. Seitz, DVM, DACVR, DABVP (Canine and Feline Practice)

Audience: V // Level: 2

Feline urethral obstruction is a common reason cats present on emergency. This session will review the use

and interpretation of the following imaging modalities in feline patients with urethral obstruction:

- Radiography
- Contrast radiography: cystogram and urethrogram
- Point-of-care abdominal ultrasound

**145** 1:30 – 2:30 P.M.

### Getting Started with Ultrasound: What You Need to Know

Marc A. Seitz, DVM, DACVR, DABVP (Canine and Feline Practice)

Audience: V, T // Level: 1

New to ultrasound? Learning a few basic principles and controls will drastically improve your image quality and diagnostic accuracy, ensuring you are getting the most out of your machine and doing right by your patients. In this session, attendees will learn:

- How ultrasound creates an image
- Common artifacts and how to use them diagnostically
- How to hold and move the transducer
- What buttons and knobs to use on a regular basis

**146** 2:45 – 3:45 P.M.

### Getting the Most Out of Your Abdominal Point-of-Care Ultrasound

Marc A. Seitz, DVM, DACVR, DABVP (Canine and Feline Practice)

Audience: V, T // Level: 2

Although originally developed to identify only peritoneal effusion, point-of-care ultrasound has expanded to provide clinicians with an abundance of information in a short period of time. In this session, attendees will learn about:

- Basic abdominal point-of-care ultrasound techniques
- Abdominal fluid scores and their clinical utility
- The gallbladder halo sign (i.e., *gallbladder wall edema*) and its common causes
- How to evaluate the caudal thorax for pericardial effusion and pleural effusion
- How to use subjective caudal vena cava size to estimate volume status

**147** 4:00 – 5:00 P.M.

### Cats are Not Dogs When it Comes to Abdominal Ultrasound

Marc A. Seitz, DVM, DACVR, DABVP (Canine and Feline Practice)

Audience: V, T // Level: 1, 2

When it comes to treating feline patients, we all know that cats are not small dogs. The same is also true when it comes to performing point-of-care or complete diagnostic abdominal ultrasounds. In this session, attendees will learn:

- How to prepare the feline patient for ultrasound
- Equipment selection and machine settings that will maximize diagnostic yield
- Clinically relevant species differences involving the liver, gallbladder, spleen, kidneys, urinary bladder, gastrointestinal tract, pancreas, lymph nodes, and adrenal glands

## « Practice Management I »

**148** 8:00 – 9:00 A.M.

### Ohio Veterinary Medical Licensing Board Update

Timothy Kolb, DVM & Kimberly A. Riker-Brown, DVM

Audience: V, T, MO // Level: 1, 2, 3

This session will cover modifications to Ohio's veterinary CE rule; the new veterinary student loan repayment program; disciplinary process, cases, and resolutions; compliance inspections; and other OVMLB updates.

**149** 9:15 – 10:15 A.M.

### Pharmacy Regulations for Veterinary Practices

Speaker TBA

Audience: V, T // Level: 1, 2

From TDDD licensing and drug security to prescriptions and compounding, Ohio Board of Pharmacy regulations impact how all veterinarians use, store, and distribute prescription drugs. In this session, attendees will learn about their responsibilities and options.

**150** 10:30 – 11:30 A.M.

### Drug Compounding in Veterinary Practice: Who's in Charge Here?

Matthew Verbsky, DVM, M.S.

Audience: V, T // Level: 2

As compounded medication usage in veterinary practice continues to expand, unfortunately, so does the confusion regarding the legal do's and don'ts. In this session, we will look at:

- 503A versus 503B compounding pharmacies
- Updated FDA compounding guidelines
- Considerations for compounding medications in house

**151** 1:30 – 2:30 P.M.

### Blueprint Reading 101

Susan B. Allen, AIA, ASID, IIDA, LEED AP DB+C, EDAC

Audience: MO // Level: 1

Drawings and specifications are the way a building design is communicated to the contractors. In this session, attendees will learn how to read and understand blueprints and find out where to locate specific information within a set of construction documents.

**152** 2:45 – 3:45 P.M.

### How to Speak and Understand Construction

Susan B. Allen, AIA, ASID, IIDA, LEED AP DB+C, EDAC

Audience: MO // Level: 1

Good communication is essential to the process of designing and building a new hospital, but architects and contractors have their own "language," just like veterinary professionals. In this seminar, attendees will review terminology commonly used by architects and



contractors, learn about the five stages of a construction project, and find out what to expect in each phase.

**153** 4:00 – 5:00 P.M.  
**Selecting the Right Materials to Avoid Maintenance Woes**

Susan B. Allen, AIA, ASID, IIDA, LEED AP DB+C, EDAC  
*Audience: MO // Level: 1*

Selecting the finishes for your facility can be overwhelming; all the different materials, styles, and colors can make your head spin. In this session, attendees will:

- Learn what questions to ask to ensure they'll be able to make informed decisions
- Understand what will be required to keep their hospital looking great
- Get tips on what to look for, as well as what to look out for, when it comes to maintaining a new facility

« Practice Management II »

This track will be recorded for MVC Virtual

**154** 8:00 – 9:00 A.M.  
**Online Presence and Your Practice**

Rhonda W. Bell, CVPM, CCFP, PCM, CDMP  
*Audience: V, T, MO, HS, SS // Level: 1*

Communication challenges in and outside the practice are at an all-time high. Branding and practice culture are all influenced and amplified by online content. In this session, attendees will:

- Identify specific communication barriers and the effects they have on client relationships
- Discuss how practice culture and staff engagement play into online reputation
- Review ways to check in with the team in regards to treatment, feelings, and perceptions
- List specific techniques and principles for de-escalating the effects of a negative review

**155** 9:15 – 10:15 A.M.  
**Personal and Professional Branding: Diversifying Your Income Outside the Practice**

Rhonda W. Bell, CVPM, CCFP, PCM, CDMP  
*Audience: V, T, MO, HS // Level: 1*

No rule says an individual can only earn one income from within the walls of the practice. This session will present the concept of income diversity for anyone working in the veterinary industry. Attendees will:

- Discuss ways veterinary professionals can create a brand based on their interests
- Identify different forms of passive and active income streams that are affordable and sustainable, both veterinary related and unrelated
- Identify some of the marketing outlets that can be used to share brand and business ideas

**156** 10:30 – 11:30 A.M.  
**Branding Your Practice Doesn't Have to Hurt!**

Rhonda W. Bell, CVPM, CCFP, PCM, CDMP  
*Audience: V, MO // Level: 2*

This session will demonstrate how embodying the practice brand and culture can nurture clients, build affinity with potential new team members, and establish authority in the community. In this session, attendees will:

- Discuss how branding helps the practice, beyond attracting new clients
- Learn how branding works, so they can make improvements in their approach to the digital world
- Share examples of ways a team can help brand the practice online and in person
- Discuss ways practice culture and staff engagement play into the overall online reputation

**157** 1:30 – 2:30 P.M.  
**Gaslighting: A Guide for Burning Your Practice Culture to The Ground**

Rhonda W. Bell, CVPM, CCFP, PCM, CDMP  
*Audience: V, T, MO, HS, SS // Level: 1*

Is gaslighting a cultural norm in veterinary practices today? Veterinary teams are more vocal than ever that they would rather take a cut in pay or have no pay at all than work in a toxic environment. This session will explore specific examples of gaslighting in the practice and break down how to deal with it. Attendees will:

- Understand the differences between constructive criticism, feedback, and gaslighting
- Identify gaslighting behaviors
- Define practice culture and how it is negatively impacted by gaslighting and bullying
- Recognize the effects of gaslighting, bullying, and mental abuse on themselves and their colleagues

**158** 2:45 – 3:45 P.M.  
**What the !@#\$ is My Team Thinking?**

Rhonda W. Bell, CVPM, CCFP, PCM, CDMP  
*Audience: V, T, MO, HS, SS // Level: 1*

This session will look at common team and client experiences in the practice that often lead to conflict, miscommunication, or a negative emotional environment. Participants will:

- Recognize how experiences influence mindset
- Learn how evaluating our mindset impacts our thoughts and decisions
- Examine bias and how recognizing our own can improve our team communication
- Discover tools for resetting ourselves and our teams when the stress level is high

**159** 4:00 – 5:00 P.M.  
**Zero Stars, Do Not Recommend: Managing Negative Reviews Online**

Rhonda W. Bell, CVPM, CCFP, PCM, CDMP  
*Audience: V, T, MO, HS, SS // Level: 1*

Negative reviews happen and create a lot of harmful emotional noise that practice leaders must sift through during an already busy day. This session will

demonstrate practical ways to triage and handle online reviews management. Attendees will:

- Understand the anatomy of a review response
- Evaluate when to respond and when to ignore
- Discuss the various types of false reviews and actions that can be taken
- Consider the impacts of acting on emotions when crafting reviews

« Public Health »

**160A** 8:00 – 8:30 A.M.  
**The Changing Landscape of Tick Populations**

Savannah Beverly  
*Audience: V, T, HS, SS // Level: 1*

Ticks and the diseases they bring with them are widely understudied. The landscape of tick populations is changing, and with that comes consequences that not only impact human health, but the health of our wildlife and companion animals. In this half-hour session, attendees will learn about:

- Abundance of tick populations in Central Ohio
- Pathogen prevalence in *Ixodes scapularis* ticks sampled from the Columbus area
- Risks for contracting tick-borne disease
- The encroachment of new species and the consequences of their presence

**160B** 8:30 – 9:00 A.M.  
**Incident Command System Training**

Samantha Swisher, DVM, DABVP (Exotic Companion Mammal)  
*Audience: V, T, MO, HS, SS // Level: 1, 2*

The Incident Command System (ICS) plays a critical role in managing the response to animal disease outbreaks and other emergencies, but most animal health professionals do not receive specialized training on its application. This half-hour lecture will:

- Reveal gaps in how veterinary professionals are prepared to assist in emergencies involving animals
- Provide an overview of a new USDA-sponsored training program focused specifically on training animal health professionals and industry stakeholders
- Share information about opportunities to participate

**161** 9:15 – 10:15 A.M.  
**Foreign Animal Diseases: Ongoing Prevention and Control Efforts**

Andréia G. Arruda, DVM, M.S., Ph.D.  
*Audience: V, MO // Level: 1, 2*

This session will focus on the current global African Swine Fever (ASF) threat to swine, which can be applied to multiple species and outbreak scenarios. Attendees will learn about:

- Resources to help the swine industry prepare for foreign animal diseases (FADs), with a focus on ASF
- How to help stakeholders implement biosecurity plans before the disease reaches the U.S.
- Options for depopulation if it does surface in the U.S.
- Ongoing research efforts

- The main implementation differences with commercial swine producers, backyard/small pig producers, and pig show exhibitors

**162** 10:30 – 11:30 A.M.

### Sustainability in Veterinary Medicine, Part I: Animal Health Impacts of Our Changing Climate

Colleen Duncan, DVM, Ph.D., DACVP, DACVPM

*Audience: V, T, MO, HS, SS // Level: 1*

Climate-associated disease is variable by species, physical environment, and social environment. This session will introduce attendees to:

- Mechanisms through which climate change impacts animal health
- The seven exposure pathways of climate-associated disease in animals
- Ways in which climate-associated illness can and should be monitored

**163** 1:30 – 2:30 P.M.

### Sustainability in Veterinary Medicine, Part II: Education to Meet Animal Health Needs

Colleen Duncan, DVM, Ph.D., DACVP, DACVPM

*Audience: V, T, MO, HS, SS // Level: 1*

Sustainability is meeting the needs of the present without compromising the ability of future generations to meet their own needs. Education is needed to infuse sustainability in all professions, including veterinary medicine. In this session, we will address:

- Needs and gaps in veterinary medical education
- How sustainability education aligns with core veterinary competencies
- Veterinary sustainability goals and how they can inform educational programming

**164** 2:45 – 3:45 P.M.

### Sustainability in Veterinary Medicine, Part III: Implementation in Clinical Practice NOW

Colleen Duncan, DVM, Ph.D., DACVP, DACVPM

*Audience: V, T, MO, HS, SS // Level: 1*

In this session, we will discuss ways in which veterinary clinics can realize their own sustainability goals through building of community around shared values, as well as behavioral and physical changes.

**165** 4:00 – 5:00 P.M.

### Sustainability in Veterinary Medicine, Part IV: Advancing Sustainability Across the Profession

Colleen Duncan, DVM, Ph.D., DACVP, DACVPM

*Audience: V, T, MO, HS, SS // Level: 1*

In this final session, we will explore opportunities for animal health professionals to advance a range of social, economic, and environmental challenges in their community and beyond. Attendees will learn:

- Ways they can engage with like-minded colleagues
- Initiatives that would benefit from their support
- Actions and issues that fellow attendees are interested in sharing

## « Shelter Animal I » Humane Agent Training

**166** 8:00 – 9:00 A.M.

### HUMANE-izing the Badge

Daniel H. Ettinger

*Audience: MO, SS // Level: 1, 2, 3*

Animal welfare influenced social change in the 1800s by inspiring laws to protect children. Today, we're humanizing the badge by applying diversity, equity, and inclusion (DEI) through our interactions in the community. In this session, attendees will:

- Learn new ways to operate by maximizing your budget and efficiently utilizing your staff
- Discuss challenges and develop innovative solutions
- Use history as a basis for plotting new ways to interact with customers of all backgrounds
- Discover methods of ensuring the best outcomes for both people and animals

**167-168** 9:15 – 11:30 A.M.

### Dropping the Dogcatcher and the Pound(s)

Daniel H. Ettinger

*Audience: MO, SS // Level: 1, 2, 3*

Do you know where the terms "dog catcher" and "dog pound" came from and why these stereotypes still exist? This two-part session will focus on changing public perception of animal control officers and animal shelters. The future of animal welfare begins today! Attendees will:

- Discover new ways to implement proactive community engagement without adding to their budget
- Learn the difference between a "socially conscious" and "no-kill" shelter
- Walk away with ways to implement change in their community and the culture of their department

**169-170** 1:30 – 3:45 P.M.

### Relationship Between Animal Abuse and Family Violence

Daniel H. Ettinger

*Audience: V, T, HS, MO, SS, BT // Level: 1, 2, 3*

In today's true crime-obsessed society, we often hear stories of serial killers that begin with animal cruelty before escalating to violence against humans. As veterinary professionals, we are in a unique position to pick up on these indicators and ultimately prevent future crimes. This two-part session will:

- Explain the link between domestic violence and animal abuse
- Highlight how veterinary professionals can identify perpetrators of animal abuse
- Discuss how to work with law enforcement agencies in preventing future crimes and bringing perpetrators to justice
- Offer tools, examples, and ideas to help keep animals and people safe from abusers

**171** 4:00 – 5:00 P.M.

### Dog Breed Identification Showdown

Daniel H. Ettinger

*Audience: V, T, HS, MO, SS, BT // Level: 1, 2, 3*

The American Kennel Club recognizes 200+ dog breeds and the United Kennel Club recognizes more than 300. How many do you know? Let's end the day on a fun note! Whether you are new to animal welfare, or you have been in the field for 20+ years, this interactive class will:

- Provide practical skills to help you identify dog breeds
- Discuss what the dogs were initially bred for
- Invite attendees to compete in teams to identify the correct breed (with the winners taking home both bragging rights and a prize!)

## « Shelter Animal II »

**172-174** 8:00 – 11:30 A.M.

### Shelter Emergencies

Taylor Yurick, DVM

Description unavailable at press time. Once available, it will be posted online at [www.mvcinco.org/education](http://www.mvcinco.org/education).

**175** 1:30 – 2:30 P.M.

### Ohio Pharmacy Regulations for Shelters

Speaker TBA

*Audience: V, T, SS // Level: 1, 2, 3*

Shelters have unique situations involving the ordering, storage, and administration of drugs. In this session, attendees will learn how Ohio Board of Pharmacy regulations affect shelters and allow for chemical capture situations, as well as key criteria for appropriate drug security measures.

**176** 2:45 – 3:45 P.M.

### Ohio Infectious Waste Regulations Pertaining to Shelters

Speaker TBA

*Audience: V, T, SS // Level: 1, 2, 3*

Shelters, as with all animal facilities, have responsibilities in dealing appropriately with infectious animal waste, sharps, vaccine vials, and potential zoonotic disease materials. This session will cover waste disposal precautions and discuss what can be placed in normal waste disposal.

**177** 4:00 – 5:00 P.M.

### Best Practices for Today's Challenges in Shelter Management

Speakers TBA

*Audience: SS // Level: 1, 2, 3*

This interactive panel discussion will address challenges in shelter management, medicine, and meeting community needs. Learn how others are tackling these issues with an eye on what may be working and what is not. Bring your questions and your ideas!

## << Technician I >>

**178** 8:00 – 9:00 A.M.  
**Basic Reptile Care and Clinical Techniques, Part I: Lizards**

Lisa J. Wilson, DVM

*Audience: T // Level: 1*

Reptiles are becoming more popular as pets, and these animals require specific home and medical care. The first hour of this two-part session will discuss basic handling, husbandry, diet, and clinical techniques specific to lizard species, including bearded dragons, iguanas, geckos, and chameleons.

**179** 9:15 – 10:15 A.M.  
**Basic Reptile Care and Clinical Techniques, Part II: Chelonians**

Lisa J. Wilson, DVM

*Audience: T // Level: 1*

Reptiles are becoming more popular as pets, but some species are more challenging to keep and treat. The second hour of this two-part session will discuss chelonians that are commonly seen in practice, as well as challenges technicians face with their care.

**180** 10:30 – 11:30 A.M.  
**Basic Avian Care and Clinical Techniques**

Lisa J. Wilson, DVM

*Audience: T // Level: 1*

Pet birds are common patients seen at many veterinary clinics. This lecture will discuss care and clinical techniques used in several different species of passerines and psittacines, as well as some poultry and waterfowl.

**181** 1:30 – 2:30 P.M.  
**Common Diseases and Treatment of Birds and Reptiles**

Lisa J. Wilson, DVM

*Audience: T // Level: 1*

Keeping birds and reptiles in captivity is becoming increasingly common. Because these animals have such specific needs, several conditions are commonly seen in practice, many of which can be identified by an astute technician. This lecture will discuss history taking and noting physical characteristics of these species to help identify and treat common diseases.

**182** 2:45 – 3:45 P.M.  
**Care of Small Mammals, Part I: Basic Care and Clinical Techniques**

Lisa J. Wilson, DVM

*Audience: T // Level: 1*

The majority of pet animal veterinary practices will, at some point, treat small companion mammals. Therefore, it is important for technicians to have a knowledge and understanding of the most popular ones. This lecture will focus on care and clinical techniques used for rabbits, ferrets, guinea pigs, rats, hedgehogs, and sugar gliders.

**183** 4:00 – 5:00 P.M.  
**Care of Small Mammals, Part II: Common Diseases and Treatment**

Lisa J. Wilson, DVM

*Audience: T // Level: 1*

Just like in cats and dogs, there are a variety of diseases commonly seen in small mammals. Most can be treated or even prevented with proper care and client instruction. This lecture will focus on history taking and observing small mammals to help identify and treat common conditions.

## << Technician II >>

**184** 8:00 – 9:00 A.M.  
**Protecting the Title of Veterinary Technicians**

Jamie Rauscher, RVT

*Audience: T, MO, HS // Level: 1, 2, 3*

Protection for the title of "veterinary technician" is needed and desired, but absent and misunderstood in most states. This session will:

- Review the 2022 National Association of Veterinary Technicians (NAVTA) Title Protection Report
- Discuss how to promote title protection
- Explain why it is important to protect the veterinary technician title

**185** 9:15 – 10:15 A.M.  
**Ohio Scope of Practice: Who Can Do What and When?**

Jamie Rauscher, RVT

*Audience: V, T, MO, HS // Level: 1, 2, 3*

What can your team legally do in practice, and how much supervision do they need? What responsibilities can be delegated to a licensed or registered veterinary technician, and which duties can be delegated to an unregistered assistant? What level of supervision by a licensed veterinarian is required, and for what tasks? This session will review Ohio's regulations, so that veterinary teams can make the most of their technicians' skills and abilities.

**186** 10:30 – 11:30 A.M.  
**Accredited Veterinary Technology Programs**

Jamie Rauscher, RVT

*Audience: T, MO, HS // Level: 1, 2, 3*

There are quite a few AVMA-accredited veterinary technology programs available, both on campus and via distance learning. In this session, we'll discuss:

- The various options, as well as their similarities and differences
- Ways and reasons for veterinary practices to encourage team members to enroll in an accredited veterinary technology program
- How to support team members so they can continue to work while they are studying

**187** 1:30 – 2:30 P.M.  
**Compensation and Retention Strategies**

Jamie Rauscher, RVT

*Audience: T, MO, HS // Level: 1, 2, 3*

Follow the numbers. Compensation has always been a huge factor in the retention of veterinary technicians and staff in general. This session will:

- Explain how practice managers and owners can determine if they are paying all of their employees competitively and fairly, according to their skills, education level, and other factors
- Explore how technicians and hospital staff can calculate and convey their value to an employer, current or prospective
- Offer strategies to help employers and employees have tough conversations regarding compensation

**188** 2:45 – 3:45 P.M.  
**Leveraging Veterinary Technician Specialists in Practice**

Jamie Rauscher, RVT

*Audience: V, T, MO, HS // Level: 1, 2, 3*

NAVTA's Veterinary Technician Specialists (VTS) program allows technicians to advance their knowledge and skills in a variety of specific disciplines. For a technician, obtaining a VTS means not only providing better patient care, but increasing their value as an employee—and there are benefits for every member of the veterinary team. Attendees will:

- Hear ideas to be fully utilized and compensated
- Discuss considerations for technicians who would like to pursue a specialization
- Explore how hospitals can evaluate whether they are leveraging their veterinary technician specialists to the fullest
- Understand the value of technician specialists from both practice and individual perspectives

**189** 4:00 – 5:00 P.M.  
**Going the Distance: Career Longevity for Veterinary Staff**

Jamie Rauscher, RVT

*Audience: V, T, HS, SS // Level: 1, 2, 3*

The speaker boasts 25+ years in the field—and is still going strong! In this session, she will discuss her longevity in the field and how she has continued to grow professionally and personally over two-plus decades as a veterinary technician. Attendees will learn how both successes and failures contribute to growth and longevity in the challenging—and rewarding—veterinary profession.



## « Hands-On Labs & Workshops »

**A** 11:45 A.M. – 1:15 P.M.  
**End of Life in Veterinary Medicine: Euthanasia, Natural Death, and Moral Distress**  
Page Yaxley, DVM, DACVECC  
*Audience: V, T // Level: 1, 2, 3 // CE: 1.5 hours // Capacity: 48 // Pre-Requisites: None // Fee: \$60*  
Back by popular demand, this lunch-and-learn program will explore controversial and uncomfortable situations in small animal end-of-life care. Participants will be encouraged to discuss their approach to provided case examples, which may include refusal of euthanasia, non-traditional routes of euthanasia, palliating natural death, behavioral euthanasia, and moral distress placed upon the veterinary care team. Attendees will gain perspective and insight on serious illness conversations, planning for and delivering palliative end-of-life care, and alternative routes of euthanasia, as well as tools to manage personal stress.

## « Animal Behavior I »

This track will be recorded for MVC Virtual

**200** 8:00 – 9:00 A.M.  
**Feline-Friendly Handling**

Margaret E. Gruen, DVM, Ph.D., DACVB  
*Audience: V, T, HS, BT // Level: 1*

In this session, we will discuss methods for decreasing stress in cats during veterinary visits. This will include getting to the clinic, during the visit, and transitioning back home. Small changes can add up to make a big difference!

**201-202** 9:15 – 11:30 A.M.  
**Environmental Needs for Cats with OA/DJD**

Margaret E. Gruen, DVM, Ph.D., DACVB  
*Audience: V, T, HS, BT // Level: 2*

This two-part session will explore the natural history of felines and how that affects the modern cat's environmental needs. In the first hour, attendees will:

- Consider how to meet these needs when cats have osteoarthritis (OA)/degenerative joint disease (DJD)
- Discuss behavior changes that occur with OA/DJD pain

In the second hour, we will:

- Discuss how to modify the environment to meet cats' needs
- Explain how to determine whether those changes improve or preserve quality of life

**203** 1:30 – 2:30 P.M.  
**House Soiling in Cats**

Margaret E. Gruen, DVM, Ph.D., DACVB  
*Audience: V, T, HS, BT // Level: 2*

In this session, we will discuss current approaches to house soiling in cats. This will include behavioral and environmental modification, as well as medication options.

**204** 2:45 – 3:45 P.M.  
**Psychopharmacology in Cats**

Margaret E. Gruen, DVM, Ph.D., DACVB  
*Audience: V // Level: 2*

This session will explore current use of psychotherapeutics in the treatment of behavior issues in cats. We will cover how to select the medication, evaluate effect, and modify the plan if needed.

**205** 4:00 – 5:00 P.M.  
**Case-Based Approach to Behavior Problems in Cats**

Margaret E. Gruen, DVM, Ph.D., DACVB  
*Audience: V, T, HS, SS, BT // Level: 2*

This session will cover the most common behavior problems seen in adult cats. We will use a case-based approach to work through the history, diagnosis, and management of a variety of behavioral issues, including aggression.

## « Animal Behavior II »

**206** 8:00 – 9:00 A.M.  
**Body Language: Reading, Interrupting, and Responding**

Aditi Czarnomski, CPDT-KSA

*Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3*

In this session, attendees will learn how to read and respond to canine body language, from subtle signs to more dramatic displays, to best understand their emotional state. The speaker will cover how to adapt your response and change the environment to lower dogs' stress and anxiety, ultimately building a positive foundation and relationship for future visits.

**207** 9:15 – 10:15 A.M.  
**Safe Dog Handling, Part I: Managing Dogs in Veterinary Environments**

Aditi Czarnomski, CPDT-KSA

*Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3*

Veterinary visits can be stressful for dogs and their people. This session will explore how subtle changes to the environment and having specific aids in the exam room can help reduce stress and anxiety levels for everyone involved. Attendees will learn how a low-stress approach, handling, and restraint can set patients up for success and establish a solid foundation for future visits.

**208** 10:30 – 11:30 A.M.  
**Safe Dog Handling, Part II: Managing Dogs Everywhere Else**

Aditi Czarnomski, CPDT-KSA

*Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3.*

Behavior doesn't happen in a vacuum. We encounter unpredictable situations outside of the four walls of the exam room, and we need to respond quickly to keep everyone safe. This session will teach attendees how to:

- Interrupt a potentially dangerous situation when a dog's body language becomes concerning
- Modify their response in order to influence what the dog does next
- Use defensive dog handling techniques to keep both animals and humans safe

## « Equine »

This track will be recorded for MVC Virtual

**209** 8:00 – 9:00 A.M.  
**Equine Sinus Disease**

Megan J. McCracken, DVM, M.S., DACVS-LA

*Audience: V // Level: 2, 3*

This session will:

- Provide an illustrated review of equine sinus anatomy
- Discuss common conditions affecting the equine sinus
- Explore current methods for diagnosis and treatment

**210** 9:15 – 10:15 A.M.

### Equine Respiratory Emergencies

Megan J. McCracken, DVM, M.S., DACVS-LA

*Audience: V // Level: 1, 2, 3*

This session will:

- Review conditions resulting in acute respiratory distress
- Discuss how and when to perform an emergency tracheostomy
- Illustrate how to recognize thoracic trauma
- Explain treatment methods for conditions that cause acute respiratory distress

**211** 10:30 – 11:30 A.M.

### Equine Colic, Part I: When to Refer

Megan J. McCracken, DVM, M.S., DACVS-LA

*Audience: V // Level: 1, 2*

The first part of this two-hour lecture on equine colic will:

- Review causes of equine colic
- Discuss which types of colic require immediate referral, which types should be referred if they fail to improve, and which types of colic typically respond well to treatment on the farm
- Explain what signs to look for in the field colic exam
- Review findings on field abdominal ultrasound, bloodwork, and abdominocentesis

**212** 1:30 – 2:30 P.M.

### Equine Colic, Part II: Case Discussion

Megan J. McCracken, DVM, M.S., DACVS-LA

*Audience: V // Level: 1, 2, 3*

The second part of this two-hour discussion on equine colic will use a variety of cases to explore presentation, intervention, and outcome. Relevant literature will also be discussed.

**213** 2:45 – 3:45 P.M.

### Stifle Lameness

Megan J. McCracken, DVM, M.S., DACVS-LA

*Audience: V // Level: 1, 2*

This session will:

- Discuss lameness originating in the equine stifle
- Explore advanced diagnostic and treatment recommendations for developmental orthopedic disease of the equine stifle in the young horse
- Review diagnostic and treatment recommendations for osteoarthritic and meniscal lesions of the stifle

**214** 4:00 – 5:00 P.M.

### Lameness of the Equine Hock

Megan J. McCracken, DVM, M.S., DACVS-LA

*Audience: V // Level: 1, 2*

This session will cover lameness originating in the equine hock, including:

- Management of developmental orthopedic disease of the hock
- Diagnostic assessment and treatment options for a wide variety of lameness conditions, ranging from common problems (e.g., distal tarsal joint osteoarthritis) to rare conditions (e.g., distal tarsal joint luxations)

## « Food Animal »

**215** 8:00 – 9:00 A.M.

### Bovine Embryo Transfer, Part I: What Is It, and Why Do It?

Joel M. Anderson, DVM

*Audience: V // Level: 1, 2*

Bovine embryo transfer allows cattle producers to make great genetic progress from the female side of the pedigree. In this session, attendees will learn what this service is, who uses it, what the industry looks like, and who is performing these services.

**216** 9:15 – 10:15 A.M.

### Bovine Embryo Transfer, Part II: How Do We Get the Embryos?

Joel M. Anderson, DVM

*Audience: V // Level: 1, 2, 3*

Bovine embryo production is a complex process. This session will address:

- How embryos are produced
- Conventional collection of a donor
- How to perform an ovum pick up (OPU) and in-vitro fertilization (IVF)
- Differences between conventional and IVF embryos

**217** 10:30 – 11:30 A.M.

### Bovine Embryo Transfer, Part III: How Do We Get the Calves?

Joel M. Anderson, DVM

*Audience: V // Level: 1, 2, 3*

Bovine embryo transfer is successful when calves are generated. The recipient and embryo relationship is the culmination of this procedure. In this session, attendees will learn how embryos are transferred, as well as how recipients are prepared and selected for transfer.

**218** 1:30 – 2:30 P.M.

### Bovine Embryo Transfer, Part IV: How Do Veterinarians Get Involved?

Joel M. Anderson, DVM

*Audience: V // Level: 1, 2, 3*

Bovine embryo transfer in a cattle breeding program involves a team approach. In this session, attendees will learn how to become involved in client embryo transfer programs and incorporate this service into their practice.

**219** 2:45 – 3:45 P.M.

### Update on Emerging and Reemerging Avian Diseases

Thainá Landim de Barros, DVM, M.S., Ph.D.

*Audience: V, T // Level: 1, 2*

This session will summarize the most prevalent avian diseases in backyard and commercial poultry flocks.

Discussion will include:

- Details about the most recent highly pathogenic avian influenza (HPAI) outbreak
- Update on common vaccination programs, best management practices, and biosecurity

- A review of essential and basic concepts for preventing and managing diseases in poultry flocks of all sizes
- Strategies for implementing a strong and consistent health program

**220** 4:00 – 5:00 P.M.

### Highly Pathogenic Avian Influenza: Lessons Learned in Regulatory Medicine

Kristy L. Shaw, DVM

*Audience: V, T // Level: 2*

In this lecture, attendees will hear an overview of Ohio's response to the 2022 outbreak of highly pathogenic avian influenza (HPAI), including actions by the Ohio and U.S. departments of agriculture. We will discuss lessons learned, as well as what these agencies are doing to prepare for the future.

## « Holistic & Integrative Medicine »

**221** 8:00 – 9:00 A.M.

### Introduction to Western Veterinary Herbal Medicine

Alexia Tsakiris, BVetMed, CVA, GDVWHM, RH (AHG)

*Audience: V, T // Level: 1*

This lecture will offer a brief history of Western herbal medicine; explore basic principles of herbal medicine; and discuss why integrating herbs can benefit not just pets, but practitioners, too.

**222** 9:15 – 10:15 A.M.

### Getting Started: Top Five Herbs for Veterinary Practice

Alexia Tsakiris, BVetMed, CVA, GDVWHM, RH (AHG)

*Audience: V, T // Level: 1, 2*

This session will provide participants with action steps they can start using as soon as they return to their practice. Topics to be covered include:

- Five herbs you can use as the foundation of your new herbal practice
- When and to use the herbs
- How these herbs can improve patient outcomes
- Latest research on the herbs

**223** 10:30 – 11:30 A.M.

### Herbal Medicine for the Stressed-Out Pet

Alexia Tsakiris, BVetMed, CVA, GDVWHM, RH (AHG)

*Audience: V, T // Level: 1, 2, 3*

COVID-19 and the demands of modern life have increased stress levels in all of us, including our pets, and clients are growing more concerned about their pets' anxiety levels. In this session, participants will learn:

- How to approach the whole patient exhibiting anxiety
- Discuss current research supporting the use of herbs for anxiety
- Which herbs can be used to support anxious patients

*Note: The herbal medicine series will resume on Saturday in Session 318.*



**224** 1:30 – 2:30 P.M.

### In the Ozone, Part I: Introduction

Jean G. F. Joaquim, DVM, M.S., Ph.D.

Audience: V, T // Level: 1

The first session in this six-part series exploring ozone therapy will introduce attendees to its mechanism of action, as well as biological and clinical effects. The main biochemical issues related to ozone therapy will be highlighted.

**225** 2:45 – 3:45 P.M.

### In the Ozone, Part II: Recent Research

Jean G. F. Joaquim, DVM, M.S., Ph.D.

Audience: V, T // Level: 1

This session will discuss recent studies exploring ozone therapy use in both small and large animals, as well as in humans.

**226** 4:00 – 5:00 P.M.

### In the Ozone, Part III: Use in Small Animals

Jean G. F. Joaquim, DVM, M.S., Ph.D.

Audience: V, T // Level: 1

This lecture will present clinical cases and discuss the main indication of ozone therapy in small animal veterinary medicine.

Note: The ozone therapy series will resume on Saturday in Session 321.

## « Pet Animal » Cardiology

This track will be recorded for MVC Virtual

**227** 8:00 – 9:00 A.M.

### Point-of-Care Ultrasound for Emergency Diagnosis of Congestive Heart Failure

Jessica L. Ward, DVM, DACVIM (Cardiology)

Audience: V // Level: 1, 2, 3

Following this session, attendees will be able to:

- Recognize clinical scenarios when point-of-care ultrasound would have diagnostic value to screen for left-sided or right-sided congestive heart failure (CHF)
- Describe the protocol for global point-of-care thoracic ultrasound, including evaluation of lung ultrasound artifacts and the caudal vena cava
- Identify normal and abnormal images of lung ultrasound, focused echocardiography, and caudal vena cava ultrasound
- Incorporate point-of-care ultrasound findings into an overall clinical picture to increase or decrease index of suspicion for CHF in a triage setting

**228** 9:15 – 10:15 A.M.

### When Should I Prescribe Pimobendan?

Jessica L. Ward, DVM, DACVIM (Cardiology)

Audience: V // Level: 1, 2, 3

After this session, attendees will be able to:

- Describe the pharmacologic properties of pimobendan (Vetmedin)
- Discuss specific diseases and disease stages in which

pimobendan has demonstrated clinical benefit in small animals

- Identify dogs with stage B2 degenerative mitral valve disease, both with and without echocardiographic information
- Weigh the benefits versus the risks of pimobendan in clinical scenarios where there is insufficient evidence to recommend its use

**229** 10:30 – 11:30 A.M.

### Rational Dose Selection for ACE Inhibitors in Dogs

Jessica L. Ward, DVM, DACVIM (Cardiology)

Audience: V // Level: 1, 2, 3

After this session, attendees will be able to:

- Describe limitations of previous pharmacokinetics and pharmacodynamics (PK/PD) studies and veterinary clinical trials in elucidating an ideal ACE inhibitor (ACEi) dose
- Recognize doses of ACEi currently recommended in American College of Veterinary Internal Medicine (ACVIM) consensus statements
- Understand the pros and cons of higher versus lower ACEi dosing, based on existing evidence

**230** 1:30 – 2:30 P.M.

### Case Studies in Canine Heart Disease

Jessica L. Ward, DVM, DACVIM (Cardiology)

Audience: V // Level: 1, 2, 3

Following this session, attendees will be able to:

- Accurately stage canine heart disease using history and diagnostic imaging
- Recognize medical therapies recommended at each stage
- Develop an index of suspicion for CHF versus primary respiratory disease, based on history and physical examination findings
- Create diagnostic and treatment plans for dogs with stage B2 (advanced preclinical) myxomatous mitral valve disease or dilated cardiomyopathy
- Create diagnostic and treatment plans for dogs with CHF

**231** 2:45 – 3:45 P.M.

### Case Studies in Feline Heart Disease

Jessica L. Ward, DVM, DACVIM (Cardiology)

Audience: V // Level: 1, 2, 3

After this session, attendees will be able to:

- Stage feline heart disease using history and diagnostic imaging
- Recognize medical therapies recommended at each stage
- Develop an index of suspicion for CHF versus primary respiratory disease, based on physical examination and point-of-care diagnostic testing
- Create diagnostic and treatment plans for cats with CHF and cats with arterial thromboembolism

**232** 4:00 – 5:00 P.M.

### Case Studies in Tachyarrhythmia Management

Jessica L. Ward, DVM, DACVIM (Cardiology)

Audience: V // Level: 1, 2, 3

After this session, attendees will be able to:

- Identify pathophysiologic mechanism and electrocardiographic features of the four common tachyarrhythmias: Sinus tachycardia, ventricular tachycardia, atrial fibrillation, and supraventricular tachycardia
- Recognize and differentiate the four tachyarrhythmias based on ECG features
- Create acute and chronic treatment plans for ventricular tachycardia, atrial fibrillation, and supraventricular tachycardia

## « Pet Animal » Endocrinology

This track will be recorded for MVC Virtual

**233-234** 8:00 – 10:15 A.M.

### Diabetes Mellitus in Dogs and Cats

David Bruyette, DVM, DACVIM

Audience: V, T // Level: 2, 3

This two-part session will review the pathogenesis, diagnostic approach, treatment options, and monitoring of dogs and cats with diabetes, emphasizing the differences between species. A practical approach of increasing owner compliance will be highlighted.

**235-236** 10:30 – 11:30 A.M.; 1:30 – 2:30 P.M.

### Canine Hyperadrenocorticism

Audience: V, T // Level: 2, 3

This first hour of this two-part session will review the pathogenesis and diagnostic approach to the canine patient with suspected hyperadrenocorticism. In the second hour, treatment options, monitoring strategies, and prognosis for dogs diagnosed with hyperadrenocorticism will be covered.

**237** 2:45 – 3:45 P.M.

### Feline Hyperthyroidism

David Bruyette, DVM, DACVIM

Audience: V, T // Level: 2, 3

This session will review the pathogenesis, diagnostic approach, treatment options, and monitoring of cats with hyperthyroidism. We will focus on a logical approach to the various treatment options to tailor therapy for each individual patient.

**238** 4:00 – 5:00 P.M.

### Canine Hypothyroidism

David Bruyette, DVM, DACVIM

Audience: V, T // Level: 2, 3

This session will review the pathogenesis, diagnostic approach, treatment options, and monitoring of dogs with hypothyroidism. Current data on diagnostic testing will also be explored, with an emphasis on the pros and cons.



## « Pet Animal » Exotics

**239** 8:00 – 9:00 A.M.  
**Mitigating Anesthetic Risk for Exotic Companion Mammal Species**

Angela M. Lennox, DVM  
*Audience: V, T // Level: 1, 2, 3*  
Exotic species have a reputation for overall higher risk of death or injury associated with anesthesia, though this risk is likely overestimated, considering the frequent use of exotic species in laboratory surgical monitoring. This session will discuss:

- Reducing risks to exotic patients by using techniques that have been successful in traditional pet species
- Use of multi-modal anesthesia and analgesia
- Overall stress reduction in exotic species

**240** 9:15 – 10:15 A.M.  
**Surgical Elective Altering: There's More Than One Way to Do It**

Angela M. Lennox, DVM  
*Audience: V // Level: 1, 2, 3*  
Elective altering is commonly performed in exotic mammal practice—in particular, for rabbits. But there is no one-size-fits-all approach. This session will discuss:

- Using comparative anatomy, association with risk of surgery, and future disease to determine the appropriate technique for altering
- Less-common approaches, including flank ovariectomy and abdominal castration, that offer strong advantages for certain exotic species

**241** 10:30 – 11:30 A.M.  
**CPR and Critical Care for Exotic Species**

Angela M. Lennox, DVM  
*Audience: V, T // Level: 1, 2, 3*  
Exotic pet species frequently present for critical care; in many exotic practices, sick visits greatly outnumber those for wellness care. This session will cover:

- Techniques for CPR in traditional pet species (such as ventilation and obtaining vascular access) that can be adapted for use in exotic mammal, bird, and reptile species
- Equipping the entire veterinary team for effective CPR *before* it is needed

**242** 1:30 – 2:30 P.M.  
**Palliative Care and Stress-Free Euthanasia for Exotic Pet Species**

Angela M. Lennox, DVM  
*Audience: V, T // Level: 1, 2, 3*  
There is increased interest in formal palliative or end-of-life care options for traditional pet species. These are readily accepted by owners, and can be applied to exotic pet species. But euthanasia of small exotic pets can be challenging. This session will cover:

- How palliative care addresses the physical, social, and emotional needs of any animal
- Newer reduced-stress, non-IV techniques that are ideal for even the smallest exotic pet

**243** 2:45 – 3:45 P.M.  
**Dentistry of Exotic Companion Mammals, Part I: Diagnosis and Initial Treatment**

Angela M. Lennox, DVM  
*Audience: V // Level: 1, 2*  
Dental disease is common in rabbits, to a lesser degree in guinea pigs and chinchillas, and occurs sporadically in other exotic mammals as well. This session will discuss:

- How to diagnose dental disease in these species, using careful anesthetized oral evaluation and high-quality diagnostic imaging
- Restoring the dental anatomy to as normal a state as possible
- Controlling secondary issues

**244** 4:00 – 5:00 P.M.  
**Dentistry of Exotic Companion Mammals, Part II: Abscesses and Osteomyelitis**

Angela M. Lennox, DVM  
*Audience: V // Level: 2, 3*  
One of the most serious complications of dental disease is periapical abscess and osteomyelitis, but the degree of bony involvement is difficult to assess radiographically. In this session, attendees will learn:

- Why CT is a superior diagnostic option
- Techniques for accessing abscesses and diseased bone, which vary dramatically in difficulty
- Options for post-operative care, which can be extensive and require significant owner compliance

## « Pet Animal » Orthopedic Surgery

**245** 8:00 – 9:00 A.M.  
**Multimodal Management of Canine Osteoarthritis**

Michael H. Jaffe, DVM, M.S., CCRP, DACVS  
*Audience: V // Level: 2*  
This session will discuss the diagnosis and non-surgical management of canine osteoarthritis and is geared toward small animal practitioners who see arthritic canine patients in their practice. The focus will be on multimodal management and other treatment options, with a brief discussion of surgical management.

**246** 9:15 – 10:15 A.M.  
**Canine Physical Therapy and Rehabilitation for the Small Animal Practitioner**

Michael H. Jaffe, DVM, M.S., CCRP, DACVS  
*Audience: V, T // Level: 1*  
This session will discuss the principles of physical therapy and rehabilitation for those practitioners who do not have access to the many modalities used in a rehab practice. Attendees will learn about:

- No- and low-cost rehabilitation options that can be used immediately by both practitioners and clients
- Exercises to build endurance, strength, range of motion, and proprioception

**247** 10:30 – 11:30 A.M.  
**Feline Orthopedic Exam**

Michael H. Jaffe, DVM, M.S., CCRP, DACVS  
*Audience: V // Level: 1*  
This session will:

- Offer tips for performing a successful orthopedic exam on cats
- Describe the most common orthopedic injuries seen in cats
- Discuss the medical management of osteoarthritis
- Cover options for sedation when needed to perform the exam

**248** 1:30 – 2:30 P.M.  
**Diagnosis and Treatment of Muscle Injuries in Dogs**

Michael H. Jaffe, DVM, M.S., CCRP, DACVS  
*Audience: V // Level: 2*  
This session will discuss common injuries of muscles and tendons in dogs, including calcanean tendon rupture, biceps tenosynovitis, supraspinatus tendon injuries, infraspinatus contracture, iliopsoas muscle injuries, and more. Diagnosis, treatment, and after-care will also be covered.

**249** 2:45 – 3:45 P.M.  
**Regenerative Therapy in Small Animal Practice**

Michael H. Jaffe, DVM, M.S., CCRP, DACVS  
*Audience: V // Level: 2*  
This session will review the basics of regenerative therapy in small animal patients. The use of platelet-rich plasma (PRP) and stem cell therapy for treating canine osteoarthritis will be discussed, as well as innovations in the field of regenerative medicine.

**250** 4:00 – 5:00 P.M.  
**Diagnosis and Treatment of Forelimb Lameness in Dogs**

Michael H. Jaffe, DVM, M.S., CCRP, DACVS  
*Audience: V // Level: 2*  
This session will cover common causes of forelimb lameness in dogs, including elbow dysplasia, osteochondritis dissecans (OCD), carpal hyper-extension, angular limb deformity, and cervical injuries.

## « Practice Management I »

This track will be recorded for MVC Virtual 🎥

**251** 8:00 – 9:00 A.M.  
**Six Steps to Starting or Maintaining a Hospital Safety Program**

Philip J. Seibert, CVT  
*Audience: V, T, MO // Level: 1, 2, 3*  
In this session, we will discuss the process of establishing a hospital safety and OSHA compliance program, which can be adapted to most veterinary practices.

Participants will emerge from this session with the ability to:

- Complete a workplace hazard assessment
- Compile a functional hospital safety manual
- Develop a plan for delivering safety training
- Determine if employee non-compliance is the result of a training deficiency or intentional misconduct
- Evaluate the effectiveness of a safety plan and understand how to make adjustments

**252** 9:15 – 10:15 A.M.

### Top Safety Problems in a Veterinary Hospital

Philip J. Seibert, CVT

*Audience: V, T, MO, HS, SS // Level: 1, 2, 3*

Identifying the most common causes of on-the-job injuries is the first step in preventing them. Owners, managers, shift leaders, and individual staff members all have a role to play in preventing injuries. In this session, we'll discuss:

- Common safety problems, according to workplace injury data
- Common OSHA violations in veterinary practices
- How to prevent or fix those problems

**253** 10:30 – 11:30 A.M.

### Surviving an OSHA Inspection

Philip J. Seibert, CVT

*Audience: V, T, MO // Level: 1, 2, 3*

When it comes to OSHA inspections, worries abound: Can a hospital be inspected when the owner or manager is not present? What causes most OSHA inspections, and what's the best way to respond? And, perhaps the most vital: Can they really shut us down for violations? This session will:

- Discuss ways to minimize a practice's risk of an inspection
- Explain how to respond to a complaint or citation
- Explore employers' rights during an inspection
- Reveal creative scams that have been used to steal from veterinary practices, under the guise of an OSHA inspection

**254** 1:30 – 2:30 P.M.

### Security & Access for Controlled Drugs

Philip J. Seibert, CVT

*Audience: V, T, MO, HS, SS // Level: 1, 2, 3*

Controlled drugs are controlled for a reason: They are dangerous and often abused. The DEA places strict requirements for their security on registrants who possess controlled drugs and limit who can access those drugs. This session will:

- Explain the concepts of "controlled drug security" and "closed systems"
- Show several methods to secure controlled drugs, both in fixed facilities and in mobile operations
- Talk about the use of security cameras
- Review the benefits and limitations of electronic drug storage devices
- Discuss the requirements for registrants to screen employees with access to controlled drugs for disqualifying factors

**255** 2:45 – 3:45 P.M.

### Controlled Drug Logs: Documenting the "Ins" and "Outs"

Philip J. Seibert, CVT

*Audience: V, T, MO, HS, SS // Level: 1, 2, 3*

We all know that we're supposed to keep track of the controlled drugs in our practice, but logs are sometimes the most frustrating part of controlled drug management! Though they are required, they don't have to be difficult. In this session, we'll:

- Explain the recordkeeping requirements
- Dispel common drug logging myths
- Offer ideas for the design of a controlled drug log
- Demonstrate how to format entries so that discrepancies can be spotted easily

**256** 4:00 – 5:00 P.M.

### Fixing Controlled Drug Problems in Your Practice

Philip J. Seibert, CVT

*Audience: V, T, MO, HS, SS // Level: 1, 2, 3*

Sooner or later, your practice will encounter a sticky situation: The amounts on your controlled drug log won't add up, for instance, or maybe a bottle is broken by accident. The DEA rules for these and other scenarios are very strict. This session will explain the most practical options for making corrective log entries, reporting shortages and thefts, and documenting unusual events.

## « Practice Management II »»

**257** 8:00 – 9:00 A.M.

### Making Sense of the Markets: The Economic State of the Veterinary Profession

Clinton L. Neill, M.S., Ph.D.

*Audience: V, T, MO, HS // Level: 1*

This session will explain key fundamentals of understanding the veterinary labor markets. Attendees will be given an overview of the economic state of the profession and what this means for the workforce.

**258** 9:15 – 10:15 A.M.

### Emphasis on Equine: The State of the Equine Veterinary Profession

Charlotte Hansen, M.S.

*Audience: V, T, MO, HS // Level: 1, 2, 3*

This session will explore the latest data on the equine veterinarian and the state of the equine veterinary profession. Topics to be covered include:

- Characteristics of the equine veterinary profession, both currently and in the next generation of practitioners
- Data on efficiency in equine veterinary operations
- Actionable, tactical steps to improve practice performance

**259** 10:30 – 11:30 A.M.

### Understanding the Next Generation of Veterinary Professionals

Bridgette Bain, Ph.D.

*Audience: V, MO // Level: 1, 2, 3*

This session will share statistics on the next generation of veterinary professionals, including how much debt they have, their mean starting salaries, and the sectors of the profession they have chosen as they begin their professional careers. Key challenges facing new veterinarians will also be explored, and insights for both new veterinarians and their employers will be offered.

**260** 1:30 – 2:30 P.M.

### Talking the Talk: The Language of Veterinary Care

Charlotte Hansen, M.S.

*Audience: V, T, MO, HS // Level: 1*

This session will explore how veterinary professionals can communicate more effectively with clients, thereby boosting trust, making them more receptive to our recommendations, and increasing the likelihood of getting animals the care they need.

**261** 2:45 – 3:45 P.M.

### Understanding and Improving Companion Animal Veterinary Practice Efficiency

Frederic Ouedraogo, M.S., Ph.D.

*Audience: MO // Level: 1*

This session will focus on improving small animal operations and attracting and retaining more clients, all while maintaining a healthy work environment. Attendees will hear data on efficiency in veterinary practice operations and learn actionable, tactical steps to improve their practice's efficiency.

**262** 4:00 – 5:00 P.M.

### Talented Technicians Could Transform Tomorrow

Clinton L. Neill, M.S., Ph.D.

*Audience: V, T, MO // Level: 1, 2, 3*

Veterinary business is calling out for a transformation! This is only possible, however, if veterinarians and technicians work together to facilitate veterinary technicians working to the top of the AVMA-CVTEA or CMVA degree. This session will explore key early insights from the AVMA technician utilization project and discuss how technicians could be the powerhouse of transformation.

## « Public Health »»

**263A-B** 8:00 – 9:00 A.M.

### United States Department of Agriculture Updates

Susan M. Skorupski, M.S., DVM

*Audience: V // Level: 1, 2, 3*

This session will share news and updates from the United States Department of Agriculture's APHIS



Veterinary Services program and Food Safety and Inspection Service.

**264A-B** 9:15 – 10:15 A.M.

**Ohio Department of Agriculture Updates**

Juan C. Leon, DVM, M.S. & Dennis M. Summers, DVM, DACVPM

*Audience: V, T // Level: 1, 2, 3*

During this session, attendees will hear updates from the Ohio Department of Agriculture's Division of Meat Inspection and Division of Animal Health.

**265A-B** 10:30 – 11:30 A.M.

**Ohio Public Health Updates**

Kimberly D. Machesky, MPH & Aaron K. Messer, DVM

*Audience: V, T, HS, SS // Level: 1, 2, 3*

The first part of this session will provide updates regarding Columbus (Ohio) Department of Health programs and services related to the practice of veterinary medicine. The second half will share news on zoonotic diseases and outbreaks from the Ohio Department of Health Zoonotic Disease Program.

**266** 1:30 – 2:30 P.M.

**Antibiotic-Resistant *Campylobacter* Outbreaks in Puppies and People**

Megin Nichols, DVM, MPH, DACVPM

*Audience: V, T, MO, HS, SS // Level: 1, 2, 3*

Extremely drug-resistant *Campylobacter* infections in people have been linked to puppies sold in pet stores—further proof that veterinarians have a role in preventing antibiotic resistance. During this session, attendees will:

- Discover how *Campylobacter* spread from animals to people, resulting in a multistate outbreak of extremely drug-resistant infections
- Learn how antibiotic-resistant *Campylobacter* infections emerged in puppies and spilled over into people
- Discuss best practices in antibiotic stewardship and judicious use of antibiotics

**267** 2:45 – 3:45 P.M.

**Preventing Spread of Hospital-Acquired Antibiotic-Resistant Infections**

Megin Nichols, DVM, MPH, DACVPM

*Audience: V, T, MO, HS, SS // Level: 1, 2, 3*

Healthcare-acquired infections in veterinary patients are being increasingly recognized as a threat to animal and human health. During this session, attendees will:

- Learn about common veterinary pathogens that can spread to patients while in your hospital
- Review a case study involving spread of carbapenem-resistant enterobacteriales
- Discuss the impact of the spread of veterinary pathogens on human health

**268** 4:00 – 5:00 P.M.

**A *Salmonella* Epidemic: Transmission Between People and Pets**

Megin Nichols, DVM, MPH, DACVPM

*Audience: V, T, MO, HS, SS // Level: 1, 2, 3*

*Salmonella* infections impact more than one million people each year. Many occur among children and are

linked to contact with animals. This session will cover:

- What pets are most likely to spread *Salmonella* to pet owners and veterinary personnel
- How to prevent transmission of *Salmonella* between people and animals
- Best practices for educating owners regarding zoonotic disease

« Shelter Animal »

This track will be recorded for MVC Virtual

**269** 8:00 – 9:00 A.M.

**Behavior Modification in Shelter Dogs**

Meghan E. Herron, DVM, DACVB

*Audience: SS, BT // Level: 2*

The stress of shelter life alters behavior in both exaggerating and inhibiting ways. Managing dogs' fear, anxiety, and stress is the first step toward successful behavior modification. Once each dog is in a state of mind where learning is possible, the journey to change undesirable behavior to more acceptable ones can begin. This presentation will:

- Discuss common problem behaviors in shelter dogs
- Describe how to identify their triggers and underlying motivations
- Explain how to effectively manage, treat, and/or change them

**270** 9:15 – 10:15 A.M.

**Better Living Through Chemistry, Part I: Psychopharmacology for Shelter Dogs**

Meghan E. Herron, DVM, DACVB

*Audience: V // Level: 2*

Fear, anxiety, and stress are inevitable in a shelter dog's life. Behaviors are often exaggerated or inhibited when dogs are under duress, making a clear picture of their true behavior difficult, sometimes impossible, to see. Fast-acting anti-anxiety medications may help dogs cope, allowing them to show their true personalities and enjoy better welfare. The first half of this two-hour session will cover:

- Frequently used medication to help tackle fear, anxiety, and stress in shelter dogs
- The decision-making process, mechanism of action, doses, and timing of each drug
- Making safe and appropriate adoption weaning plans

**271** 10:30 – 11:30 A.M.

**Better Living Through Chemistry, Part II: Psychopharmacology for Veterinary Handling**

Meghan E. Herron, DVM, DACVB

*Audience: V // Level: 2*

Fearful and fractious patients will benefit from chemical assistance, both before and during their veterinary exams, surgeries, and procedures. The second half of this two-hour session will focus on:

- Oral premedication options to reduce anxiety and provide sedation for fearful and/or fractious patients

- Injectable chemical restraint protocols, including drug choice, doses, and best means of administration

**272** 1:30 – 2:30 P.M.

**Behavior Evaluations in Shelter Dogs: What Does the Science Say?**

Meghan E. Herron, DVM, DACVB

*Audience: SS, BT // Level: 2*

Recent evidence questions the usefulness of formalized behavior assessments in shelter dogs, but does that mean shelters should eliminate all attempts at evaluating behavior altogether? This presentation will walk attendees through the scientific evidence collected over the past three decades and take a critical look at this controversial topic.

**273** 2:45 – 3:45 P.M.

**Triaging Behavior Concerns Post-Adoption**

Meghan E. Herron, DVM, DACVB

*Audience: SS, BT // Level: 2*

Behavior problems are one of the main reasons adopters return a dog to the shelter. Having a process in place to effectively triage adopter concerns and direct them to appropriate assistance may help preserve the adoption in these scenarios. This session will:

- Discuss how shelters can provide support to adopters through referrals to appropriate training and behavior professionals
- Explain how to gather essential in-home information and what to do with it, thus aiding in future adoptability assessments and matchmaking efforts
- Provide tips for setting up a triage system

**274** 4:00 – 5:00 P.M.

**A Peaceful Ending: Behavior Euthanasia for Shelter Dogs**

Meghan E. Herron, DVM, DACVB

*Audience: V, T, SS, BT // Level: 2*

Behavior euthanasia is a complicated and controversial facet of shelter medicine. Knowing how and when to use this option is the first step in making humane choices for the dogs we shelter. This session will:

- Discuss the decision-making process, focusing on safety and the five domains of animal welfare
- Explain the process of euthanasia and pre-euthanasia medication options
- Offer methods for making each dog's final moments as peaceful and comfortable as possible

« Small Ruminants »

**275** 8:00 – 9:00 A.M.

**Updates on Chronic Wasting Disease and Scrapie in Ohio**

Leeza Bercau, DVM & Dennis M. Summers, DVM, DACVPM

*Audience: V, T // Level: 1, 2, 3*

Ohio Department of Agriculture representatives will give a summary on chronic wasting disease (CWD) identification efforts and the prevalence of scrapie in the state of Ohio.



**276-278** 9:15 – 11:30 A.M.; 1:30 – 2:30 P.M.

### Cervid Care

Douglas Wagner, DVM

*Audience: V, T // Level: 1, 2, 3*

The first hour of this three-part seminar on cervid care will cover the basics of herd management and facilities, as well as field anesthesia. The second hour will explore common pathogens, diseases associated with them, and treatment options. The final hour will discuss issues associated with bottle- and field-raised fawns and how best to address them.

**279** 2:45 – 3:45 P.M.

### Ohio Small Ruminant Production: Common Challenges and Questions

Braden Campbell, Ph.D.

*Audience: V, T, MO // Level: 1, 2, 3*

This session will offer a review of the industry, discuss hot topics in small ruminant health, and explore ways to better connect with the producer.

**280** 4:00 – 5:00 P.M.

### Catching up on Cache Valley Virus

Eric Gordon, DVM, DACVPM

*Audience: V, T, HS // Level: 2*

This session will cover current trends in small ruminant abortion in the Midwest. The discussion will focus on Cache Valley virus, including new ideas and strategies for prevention.

## « Staff Development »

This track will be recorded for MVC Virtual

**281** 8:00 – 9:00 A.M.

### The Voices in Your Head: Meet the Wily Cast of Characters that Defines Your Daily Experience

Amy VanDeWater

*Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3*

Our brain's internal chatter about clients, coworkers, and our team directly impacts our ability to provide the best care and maximize our impact and fulfillment. Becoming aware of those voices in our head is the first step in achieving a high emotional intelligence (EQ). In this session, you'll meet the memorable characters we hang out with each day and learn how they either support or sabotage our goals.

**282** 9:15 – 10:15 A.M.

### The Secret Formula of Life: A Simple Approach to Rationing Energy and Finding Solutions

Amy VanDeWater

*Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3*

The next step on our journey to achieving a high EQ is self-management—or the ability to manage the voices in our head so we can respond instead of react. In this session, we'll build on the discussion started in the

previous session. Attendees will learn the secret to managing energy, expectations, attitudes, and stress to maximize their positive impact on client experiences, pet outcomes, and personal fulfillment.

**283** 10:30 – 11:30 A.M.

### Digging Out: A New Perspective on Managing Chronic Stress

Amy VanDeWater

*Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3*

Stress, in and of itself, is not the problem. The problem is that we do not always recover from stress—meaning that the chronic stress and burnout we commonly experience is caused by incomplete stress cycles. In this session, we will take a look at each component of the stress cycle and explore targeted methods to cue the autonomic nervous system to shift into recovery mode, thereby completing the cycle.

**284** 1:30 – 2:30 P.M.

### Tapping In: How to Access Empathy, Even When It's Incredibly Tough

Amy VanDeWater

*Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3*

Social awareness, or your ability to look outward and appreciate others' experiences, is a big component of your EQ—especially in the veterinary field. After all, empathy drives connections, which earn you trust and influence that you can use to advocate for your patients' health. But tapping into empathy with clients and team members can be really difficult at times. In this session, we'll discuss how to access your empathy in even the most challenging of situations and explore how to proactively manage that empathy so you don't wind up curled in the fetal position, under a blanket bingeing Netflix with a bottle of wine.

**285** 2:45 – 3:45 P.M.

### The Connection: The Why and How of Building Trust and Earning Influence

Amy VanDeWater

*Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3*

Want to minimize negative client interactions and improve compliance? Build trust and increase your influence over providing best care? Doing so takes more than creating pleasant client relationships. It requires each team member to build mini-connections at each and every client touchpoint. In this session, we'll continue maximizing our EQ by exploring the final pillar of emotional intelligence: Relationship management, which focuses on building interpersonal communication skills.

**286** 4:00 – 5:00 P.M.

### All Together Now: Applying Emotional Intelligence Skills in Real-Life Scenarios

Amy VanDeWater

*Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3*

Let's bring these emotional intelligence skills to life! In the final session of this series, we'll look at common client and coworker interactions—both positive and

negative—and explore ways to communicate more effectively using the superpower skills of EQ.

## « Technician I »

This track will be recorded for MVC Virtual

**287** 8:00 – 9:00 A.M.

### Client Communication Tips for the Veterinary Technician

Jordan A. Porter, RVT, VTS (SAIM)

*Audience: T, HS, SS // Level: 1*

The dreaded phrase "just a technician" has been uttered by clients, veterinarians, support staff, and even technicians themselves. Simply removing the word "just" makes a huge difference not only in how technicians see themselves, but how everyone else sees technicians. In this session, attendees will learn how to become deliberate communicators to ensure clients understand not only the care their pets receive, but the important roles of everyone on the veterinary team.

**288** 9:15 – 10:15 A.M.

### Upping Your Tech Game: Increase Career Satisfaction

Jordan A. Porter, RVT, VTS (SAIM)

*Audience: T, HS // Level: 1*

In today's veterinary field, career satisfaction can be elusive. Unfortunately, there are many factors that are outside your control, but there are some ways you can feel more fulfilled in your work. In this session, attendees will learn how to further their careers by earning a specialty designation, working for non-clinical companies, going into management, or even pursuing entrepreneurship.

**289** 10:30 – 11:30 A.M.

### Nursing Care for the Critical Patient: A Veterinary Technician's Role

Jordan A. Porter, RVT, VTS (SAIM)

*Audience: T, HS, SS // Level: 1, 2*

The veterinary technician is on the front lines of ICU patient care, and it's not always black and white. Every animal is different, and quality care can be the deciding factor in how quickly your patient goes home to their family. Though the doctor is responsible for ordering medications and setting treatment plans, it is the technician who makes these critical patients comfortable while in the hospital. In this session, attendees will learn helpful tips for managing every type of critical patient, from laterally recumbent patients to sensitive ITP patients, and everything in between.

**290** 1:30 – 2:30 P.M.

### Working Toward Your Veterinary Technician Specialist Credential

Jordan A. Porter, RVT, VTS (SAIM)

*Audience: T // Level: 1, 2, 3*

As technicians, there comes a point in our careers

when we want to stretch ourselves and advance our skills. This lecture will explore pursuing a Veterinary Technician Specialist (VTS) credential, including choosing which specialty to pursue, how to go about earning it, and what we can do with our VTS credential once we have it.

**291** 2:45 – 3:45 P.M.  
**Blood Transfusions: The Technician's Guide to How and Why**

Jordan A. Porter, RVT, VTS (SAIM)

*Audience: T, HS, SS // Level: 2, 3*

The goal of a blood transfusion is to get the blood product into a patient safely, and the veterinary technician has an important role in ensuring everything goes smoothly. This session will cover:

- Proper storage for blood products
- Why we give certain blood products to patients in need
- Necessary steps to take before administration
- What can go wrong when giving blood products, how to make corrections, and most importantly, how to prevent problems before they occur
- How to monitor for life-threatening reactions

**292** 4:00 – 5:00 P.M.  
**Pain: Recognizing and Advocating for Veterinary Patients**

Jordan A. Porter, RVT, VTS (SAIM)

*Audience: T, HS, SS // Level: 2, 3*

Released when an animal is in pain, stress hormones can wreak havoc on our patients, putting the recovery process at risk: Treatment may be more prolonged or invasive, which ultimately becomes costly for the clients, or patients may not recover at all. This session will discuss both the physiological and behavioral signs of pain, so that technicians are better equipped to help these animals and their owners.

« Technician II »

This track will be recorded for MVC Virtual

**293** 8:00 – 9:00 A.M.  
**Don't Just Count Teeth: Oral Anatomy and Terminology**

Denise Rollings, CVT, VTS (Dentistry)

*Audience: V, T, HS // Level: 1*

The first step in providing proper dental care to our patients is learning normal oral anatomy. Using the Triadan tooth numbering system and directional terminology of the mouth will help you to perform more efficient dental charting. In this lecture, attendees will:

- Be introduced to charting and preparing for the dental cleaning
- Identify normal oral, skull, and tooth anatomy
- Understand the accepted tooth numbering system
- Recognize normal findings from abnormal during an oral examination
- Use directional terminology correctly

**294** 9:15 – 10:15 A.M.

**The Dental Procedure Day: From the Exam Room to the Dental Table**

Denise Rollings, CVT, VTS (Dentistry)

*Audience: V, T, HS // Level: 1, 2*

The day of the dental procedure involves more than just the procedure itself. In addition to cleaning teeth, practitioners must also communicate expectations with the pet parent and guarantee patients are safe and healthy before, during, and after the procedure. This session will cover:

- Educating clients to ensure they understand the value of high-quality dental care and are more likely to comply with recommendations
- Determining the appropriate workup for a patient
- Basic anesthetic monitoring
- Steps of a complete oral examination
- Why a dental discharge appointment is necessary

**295** 10:30 – 11:30 A.M.  
**More than Missing Teeth: Dental and Oral Abnormalities**

Denise Rollings, CVT, VTS (Dentistry)

*Audience: V, T, HS // Level: 1, 2*

Oral pathology is often mis- and under-diagnosed due to lack of recognition. Take your dental charting to the next level by learning how to identify abnormalities in the mouth. In this session, attendees will:

- Learn American Veterinary Dental College-designated charting abbreviations
- Understand the importance of identifying dental and oral disease
- Recognize commonly found pathology of the teeth and oral cavity in cats and dogs
- Understand how oral pathology should be documented on the dental chart
- Learn about appropriate treatment options

**296** 1:30 – 2:30 P.M.

**Introduction to Dental Radiography Positioning and Techniques**

Denise Rollings, CVT, VTS (Dentistry)

*Audience: V, T // Level: 1, 2, 3*

Approximately half of dental pathology is subgingival, making dental radiographs an essential part of the oral exam. Full-mouth radiographs help us find pathology that is not visible, leading to proper recommendations and treatment. This lecture will discuss:

- Requirements for a diagnostic dental radiograph
- How to identify the appropriate teeth in a radiograph
- Correct positioning of the patient, sensor, and tube head for obtaining diagnostic radiographs
- Troubleshooting common problems encountered when obtaining dental radiographs

**297** 2:45 – 3:45 P.M.

**Name that Bite: Recognizing Canine and Feline Malocclusions**

Denise Rollings, CVT, VTS (Dentistry)

*Audience: V, T, HS // Level: 1, 2, 3*

Do dogs need braces? Maybe! Every patient has the

right to a comfortable bite. Malocclusions causing trauma should be treated to keep our patients pain free, but they are often missed due to lack of knowledge. In this session, attendees will learn:

- What normal occlusion is
- How to recognize when an occlusion is abnormal
- How to determine the classes of malocclusions
- Potential treatment options for malocclusions

**298** 4:00 – 5:00 P.M.

**What's that Smell? Understanding Periodontal Disease**

Denise Rollings, CVT, VTS (Dentistry)

*Audience: V, T // Level: 1, 2*

Recognizing the signs of periodontal disease in our patients is the first step in providing care and educating our clients on the dangers of poor oral health. This session will discuss the prevalence of periodontal disease, so that attendees can:

- Recognize signs of periodontal disease in dogs and cats, including gingivitis, probing depth, furcation exposure, gingival recession, and mobility
- Better educate clients about their periodontal disease prevention and treatment
- Know the treatment options for periodontal disease

« Hands-On Labs & Workshops »

**Conflict Resolution with Canines**

**B1** 1:30 – 3:00 P.M.

**B2** 3:30 – 5:00 P.M.

Aditi Czarnomski, CPDT-KSA

*Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3 // CE: 1.5 hours // Capacity: 25 per session // Prerequisites: Sessions 207–208 // Fee: \$45*

During this workshop, participants will be able to get hands-on training on the defensive dog handling concepts presented in Sessions 207–208. Attendees of all skill levels will learn and practice strategic defensive leash handling and dog navigation skills, as well as improve their ability to handle shy/fearful and rowdy/reactive dogs. This workshop will include:

- Demonstrations of a variety of techniques—including leash holds, finger and thumb locks, body position, and posture—along with time to practice
- Recommended tools to have on hand or on the premises to keep people and animals safe should a dog become aggressive
- Instruction on safe, low-stress handling methods that make it easier to deliver medications, administer sedatives, move animals through environments, and return them to kennels



## « Animal Behavior »

**300** 8:00 – 9:00 A.M.

### Fear, Anxiety, and Phobia in Dogs

Margaret E. Gruen, DVM, Ph.D., DACVB

*Audience: V, T, HS, SS, BT // Level: 2*

In this session, we will discuss the most common causes of fear, anxiety, and phobia in dogs. We will review the diagnosis and management, as well as medications used to treat these conditions.

**301** 9:15 – 10:15 A.M.

### Separation Anxiety in Dogs

Margaret E. Gruen, DVM, Ph.D., DACVB

*Audience: V, T, HS, SS, BT // Level: 2*

In this session, we will hone in on one of the most common anxiety conditions in dogs: Separation-related fear. We will discuss what it looks like, how to differentiate it from other behavior conditions, and how to treat and manage dogs with separation anxiety.

**302** 10:30 – 11:30 A.M.

### Psychopharmacology in Dogs

Margaret E. Gruen, DVM, Ph.D., DACVB

*Audience: V // Level: 2*

In this session, we will discuss current use of psychotherapeutics in the treatment of behavior issues in dogs. We will cover how to select the correct medication, evaluate its effect, and modify the plan if needed.

**303** 1:30 – 2:30 P.M.

### Measuring and Understanding Cognition in Dogs

Margaret E. Gruen, DVM, Ph.D., DACVB

*Audience: V, T, HS, SS, BT // Level: 1*

This session will explore current knowledge about how dogs learn and approach their environments. We will cover the ways dogs undertake and solve problems, as well as what we know about emotional states in dogs.

**304** 2:45 – 3:45 P.M.

### Cognitive Dysfunction: Diagnosis and Management

Margaret E. Gruen, DVM, Ph.D., DACVB

*Audience: V, T // Level: 2*

In this session, we will discuss what is known about cognitive dysfunction in dogs, including the common presentation and diagnostic tools. Current management and treatment strategies for this common condition will also be covered.

**305** 4:00 – 5:00 P.M.

### Case-Based Approach to Behavior Problems in Dogs

Margaret E. Gruen, DVM, Ph.D., DACVB

*Audience: V, T, HS, SS, BT // Level: 2*

This session will cover the most common behavior problems seen in adult dogs. We will use a case-based

approach to work through the history, diagnosis, and management of a variety of behavioral issues, including aggression.

## « Equine »

**306** 8:00 – 9:00 A.M.

### Equine Lyme Disease: Diagnosis, Treatments, and Prevention

Tom Divers, DVM

*Audience: V // Level: 1, 2, 3*

This session will update practitioners on the most important aspects of equine Lyme disease, including:

- Clinical syndromes caused by *Borrelia burgdorferi* infection in horses
- When to test horses for *Borrelia burgdorferi* infection
- How to diagnose equine Lyme disease
- Which seropositive horses should be treated
- Prevention of equine Lyme disease, including how and when to use canine-approved vaccines in horses

**307** 9:15 – 10:15 A.M.

### Use of Glucocorticoids in Equine Practice

Tom Divers, DVM

*Audience: V // Level: 1, 2, 3*

This presentation will provide the following information on glucocorticoid use in equine practice:

- Basic pharmacokinetics and pharmacodynamics of the most commonly used glucocorticoids
- Diseases where glucocorticoid therapy has either apparent or documented efficacy
- When to use glucocorticoids in an infectious disease
- Selection of specific glucocorticoids, dose, and duration
- Adverse effects of glucocorticoids in horses
- Alternatives for immune suppression therapy

**308** 10:30 – 11:30 A.M.

### Equine Urinary Tract Disorders: What Every Practitioner Should Know

Tom Divers, DVM

*Audience: V // Level: 1, 2, 3*

This session will discuss diagnostics, treatments, and prognosis for proper management of a variety of equine urinary tract disorders, including acute renal failure and how to prevent it, chronic renal failure, dysuria, stranguria, and hematuria.

**309** 1:30 – 2:30 P.M.

### Equine Liver Disease: An Update on Infectious Hepatitis in Horses

Tom Divers, DVM

*Audience: V // Level: 1, 2, 3*

This session will update equine practitioners on infectious causes of hepatitis in horses, including:

- Cholangiohepatitis diagnosis, treatment, and prognosis
- Equine parvovirus hepatitis and the likely cause of "serum hepatitis"
- Equine hepatitis virus hepatitis and whether it is a cause of chronic-active hepatitis
- Equine Tyzzer's disease

**310** 2:45 – 3:45 P.M.

### Leptospirosis and Anaplasmosis: A Review of Two Important Equine Diseases

Tom Divers, DVM

*Audience: V // Level: 1, 2, 3*

This presentation will review clinical syndromes associated with *Leptospira* and *Anaplasma* infections in horses. Attendees will learn:

- Three important clinical syndromes associated with *Leptospira* infections
- Atypical clinical syndromes that can be caused by *Anaplasma phagocytophila* infections
- Treatments for all syndromes associated with either *Leptospira* or *Anaplasma* infections

**311** 4:00 – 5:00 P.M.

### Neurologic Disorders That are Not EPM, EDM, EHV-1, or CCM

Tom Divers, DVM

*Audience: V // Level: 1, 2, 3*

This presentation will update practitioners on some neurologic diseases that are not commonly discussed, including temporohyoid osteoarthropathy, intestinal hyperammonemia, motor neuron disease versus vitamin E deficient myopathy, *Parelaphlostrongylus tenuis*, botulism, and viral encephalitis.

## « Food Animal »

This track will be recorded for MVC Virtual 

**312** 8:00 – 9:00 A.M.

### New Concepts on Hyperketonemia

Luciano Caixeta, DVM, Ph.D.

*Audience: V, T // Level: 1, 2, 3*

This session will cover:

- The newest information regarding hyperketonemia and its association with health and performance of dairy cows
- A new approach to defining hyperketonemia
- Scientifically proven evidence that can optimize the management and monitoring of fresh cows

**313-314** 9:15 – 11:30 A.M.

### Behind a Successful Lactation is a Proper Dry-Off

Luciano Caixeta, DVM, Ph.D.

*Audience: V, T // Level: 1, 2, 3*

This two-part session will present:

- A scoping review of current strategies used to improve animal health and well-being around dry-off
- Selective dry-cow therapy and methodologies to implement such a management strategy
- Additional data on the use of acidogenic bolus at dry-off and its association with udder health, performance, and economic impact in subsequent lactation



**315** 1:30 – 2:30 P.M.

### Monitoring the Transition Period

Luciano Caixeta, DVM, Ph.D.

*Audience: V, T // Level: 1, 2, 3*

This session will present strategies for monitoring dairy cows during the transition period. Attendees will:

- Find out the key elements of performing a herd investigation
- Learn how to help producers implement effective monitoring methods
- Explore concepts that add value to your service

**316** 2:45 – 3:45 P.M.

### Hypocalcemia Revisited

Luciano Caixeta, DVM, Ph.D.

*Audience: V, T // Level: 1, 2, 3*

This session will describe new concepts about hypocalcemia and its association with health and performance of dairy cows. Attendees will:

- Understand why having low blood calcium at calving does not mean that a cow is in trouble
- Learn how to help clients optimize their animals' calcium management postpartum

**317** 4:00 – 5:00 P.M.

### Optimizing Management and Labor in Farms with Automated Monitoring Systems

Luciano Caixeta, DVM, Ph.D.

*Audience: V, T // Level: 1, 2, 3*

This session will review new automated monitoring systems being used by progressive dairy producers. Attendees will learn about:

- New technologies currently or soon to be available
- How these technologies can assist with disease diagnosis and herd health analysis
- How these technologies can modify herd management

« Holistic & Integrative Medicine »

**318** 8:00 – 9:00 A.M.

### Hormone Helpers: Phytotherapy for the Endocrine System

Alexia Tsakiris, BVetMed, CVA, GDVWHM, RH (AHG)

*Audience: V, T // Level: 1, 2, 3*

Sometimes our patients need support for various endocrinopathies that goes beyond conventional therapies. In this session, attendees will learn:

- How certain herbs support different endocrinopathies
- How herbs can improve the patient's quality of life
- Why these herbs improve symptoms of various endocrinopathies

**319–320** 9:15 – 11:30 A.M.

### Integrating Herbs into General Practice

Alexia Tsakiris, BVetMed, CVA, GDVWHM, RH (AHG)

*Audience: V, T // Level: 1, 2, 3*

It can be daunting for a busy veterinarian to figure out how to integrate herbal medicine into their everyday

practice. In this two-part session, attendees will:

- Learn practical approaches for implementing herbal medicine into their daily practice
- Review case studies of herbs used in conjunction with conventional care
- Find out how integrating herbs can lead to better patient outcomes
- Discover the importance of quality control

**321** 1:30 – 2:30 P.M.

### In the Ozone, Part IV: Use in Large Animals

Jean G. F. Joaquim, DVM, M.S., Ph.D.

*Audience: V, T // Level: 1*

This lecture will present clinical cases and main indication of ozone therapy in large animal veterinary medicine. (*Note: Please see Sessions 224–226 for the first three sessions in the ozone therapy series.*)

**322** 2:45 – 3:45 P.M.

### In the Ozone, Part V: Use in Wild Animals

Jean G. F. Joaquim, DVM, M.S., Ph.D.

*Audience: V, T // Level: 1*

This lecture will go through clinical cases and main indication of ozone therapy in wild animal veterinary medicine.

**323** 4:00 – 5:00 P.M.

### In the Ozone, Part VI: Use with Other Rehabilitation Techniques

Jean G. F. Joaquim, DVM, M.S., Ph.D.

*Audience: V, T // Level: 1*

The final session in this series will focus on the integration of ozone therapy with other rehabilitation techniques in veterinary medicine. Pros and cons will be explored.

« Pet Animal »  
Critical Care & Emergency

**324** 8:00 – 9:00 A.M.

### Hepatotoxins in Dogs and Cats

Clare Deming, DVM, DABVP

*Audience: V // Level: 1*

For dogs (and less so, cats), the world is a land of tasty but toxic opportunities. This session will:

- Describe common hepatotoxins, as well as a few you may not have heard of
- Explain how hepatotoxins affect dogs and cats and how to treat them
- Cover xylitol, acetaminophen, mushrooms, cycad palms, blue-green algae, and more

**325** 9:15 – 10:15 A.M.

### Renal Toxins in Dogs and Cats

Clare Deming, DVM, DABVP

*Audience: V // Level: 1*

Dogs and cats are both susceptible to toxins that affect the kidneys. This session will:

- Review practical renal physiology
- Explain how to approach these cases and what treatments are currently recommended
- Discuss what practitioners can do to improve outcomes when treatment has been delayed

**326** 10:30 – 11:30 A.M.

### Beyond the Fluid Bolus: Treating Shock in Dogs and Cats

Clare Deming, DVM, DABVP

*Audience: V // Level: 2*

Shock is commonly seen in emergency situations, but what can be done after giving a fluid bolus? In this session, attendees will:

- Learn about options such as hypotensive resuscitation and delayed resuscitation
- Find out current uses for hypertonic saline, colloids, pressors, and blood products
- Explore options for monitoring patient progress

**327** 1:30 – 2:30 P.M.

### Dystocia and Reproductive Emergencies

Clare Deming, DVM, DABVP

*Audience: V // Level: 1*

When should you intervene in a dystocia, and should your treatment be medical or surgical? In this session, attendees will:

- Learn some practical guidelines for approaching cases of dystocia
- Determine situations in which a C-section is needed
- Review pyometra, uterine prolapse, eclampsia, paraphimosis, and other emergencies of the reproductive system

**328** 2:45 – 3:45 P.M.

### What's New with Blocked Cats?

Clare Deming, DVM, DABVP

*Audience: V // Level: 2*

Blocked cats are common in both the E.R. and general practice, but every few years it seems that the recommendations for care change. This session will:

- Describe what's new in the literature in regards to blocked cats
- Explain what we already know about this condition
- Discuss related research
- Share some practical tips and tricks for treatment

**329** 4:00 – 5:00 P.M.

### Calming Critters in the E.R.

Clare Deming, DVM, DABVP

*Audience: V, T // Level: 1*

A stressed, fearful, or aggressive animal is a special challenge in an emergency situation. Giving medication prior to arrival isn't always practical, and comorbidities might limit the options. In this session, attendees will:

- Learn some tips on how to make the exam, procedures, and hospitalization easier
- Discuss trazodone, dexmedetomidine, and gabapentin
- Discover how comorbidities affect our choices for sedation and anxiolytics in emergency patients

## «Pet Animal» Dermatology

This track will be recorded for MVC Virtual 🎧

**330-331** 8:00 – 10:15 A.M.

### Veterinary Dermatology from A to Z

Elizabeth R. Drake, DVM, DACVD

Audience: V, T // Level: 1, 2, 3

This two-part session is designed to cover many topics relevant to the practice of veterinary dermatology, but in small segments chosen from each letter of the alphabet.

**332** 10:30 – 11:30 A.M.

### Managing Otitis: Why the Drama?

Elizabeth R. Drake, DVM, DACVD

Audience: V, T // Level: 1, 2, 3

Otitis externa causes frustration for patients, owners, veterinary staff, and veterinarians! This session will simplify the diagnosis, treatment, and management of cases that are presented for the same problem over and over and over again.

**333** 1:30 – 2:30 P.M.

### Dermatology Diagnostics: How, When, and Why Culture Pyoderma? What Should I Biopsy?

Elizabeth R. Drake, DVM, DACVD

Audience: V, T // Level: 1, 2, 3

While collecting samples for culture of superficial pyoderma cases is not technically challenging, knowing which lesions to culture and how many—as well as what to do with the results—can be, especially if the results are not consistent with the clinical presentation. Collecting samples for skin biopsies is equally, if not more, frustrating. This session will equip attendees with the knowledge necessary to feel comfortable collecting culture and biopsy samples.

**334** 2:45 – 3:45 P.M.

### Bacterial Pyoderma: Are we STILL Talking about Staph?

Elizabeth R. Drake, DVM, DACVD

Audience: V // Level: 1, 2, 3

*Staphylococcal pyoderma* remains one of the most common complicating factors diagnosed in cases presented to veterinary dermatologists. What has changed is the frequency with which practitioners encounter staphylococcal skin infections resistant to most antibiotic medications. This session will discuss the challenges treating these cases and explore ways to manage them beyond oral antibiotic therapy alone.

**335** 4:00 – 5:00 P.M.

### Is THIS Autoimmune Skin Disease?

Elizabeth R. Drake, DVM, DACVD

Audience: V // Level: 1, 2, 3

Autoimmune skin diseases can be difficult to recognize, especially when they share clinical features with more commonly encountered dermatologic diseases.

This session will separate the common clinical presentations from the uncommon and provide easily performed diagnostic tools for the busy practitioner. The focus will be on lesion and pattern recognition, as well as recommendations for workup of these cases.

## «Pet Animal» Gastroenterology

This track will be recorded for MVC Virtual 🎧

**336** 8:00 – 9:00 A.M.

### Clinical Approach to Chronic Enteropathy in the Dog

Alex Gallagher, DVM, M.S., DACVIM (SAIM)

Audience: V // Level: 2

Chronic GI disease is common in dogs and can be a frustrating issue for both owners and veterinarians. In this lecture, attendees will learn:

- Changes in terminology of chronic enteropathy versus inflammatory bowel disease
- How differentiating small from large bowel diarrhea affects the treatment approach
- How to choose empiric therapies for chronic enteropathy in the dog
- When biopsy of the GI tract is indicated

**337** 9:15 – 10:15 A.M.

### Clinical Approach to Chronic Enteropathy in the Cat

Alex Gallagher, DVM, M.S., DACVIM (SAIM)

Audience: V // Level: 2

Chronic GI disease is common in cats and can be a frustrating issue for both owners and veterinarians. In addition, it can be challenging to differentiate small cell lymphoma from inflammatory bowel disease (IBD). In this lecture, attendees will learn:

- Changes in terminology of chronic enteropathy versus inflammatory bowel disease
- How to choose empiric therapies for chronic enteropathy in cats
- When biopsy of the GI tract is indicated and which technique should be used
- How to determine IBD versus small cell lymphoma
- How biopsy diagnosis affects therapy

**338** 10:30 – 11:30 A.M.

### Pancreatitis in the Dog: Diagnosis and Management

Alex Gallagher, DVM, M.S., DACVIM (SAIM)

Audience: V // Level: 2

Pancreatitis is likely a common disease in dogs, though the true prevalence is likely unknown. While many diagnostic tests are available, diagnosis may not be easy. In this lecture, attendees will learn:

- The current theories on pathogenesis of pancreatitis in the dog
- What diagnostic tests are available and how they can be used
- Management strategies for treatment of pancreatitis and when to use them

**339** 1:30 – 2:30 P.M.

### Clinical Approach to Abnormal Liver Enzymes in Dogs and Cats

Alex Gallagher, DVM, M.S., DACVIM (SAIM)

Audience: V // Level: 1

Increases in serum liver enzymes are a common finding in dogs and cats. In clinical cases, it can be challenging to know when to be concerned and how to identify causes. In this lecture, attendees will learn:

- Which liver enzymes are commonly evaluated in cats and dogs
- What the liver enzymes tell us about disease process
- The important species differences in enzymes of dogs versus cats
- How the pattern of changes can be used to develop differential lists

**340** 2:45 – 3:45 P.M.

### Chronic Liver Disease in the Dog: Terminology, Diagnosis, and Management

Alex Gallagher, DVM, M.S., DACVIM (SAIM)

Audience: V // Level: 2

Chronic liver disease is common in dogs, and specific causes—such as chronic hepatitis or copper-associated hepatopathy—are often associated with particular breeds. In this lecture, attendees will learn about:

- Common causes of chronic liver disease in the dog, as well as copper-associated hepatopathy
- Tests for diagnosing and treatments for managing chronic liver disease

**341** 4:00 – 5:00 P.M.

### Chronic Liver Disease in the Cat: Terminology, Diagnosis, and Management

Alex Gallagher, DVM, M.S., DACVIM (SAIM)

Audience: V // Level: 2

Chronic liver disease is common in cats and may also be associated with disease in the pancreas or gastrointestinal tract. In this lecture, attendees will learn about:

- Common causes of chronic liver disease in the cat and the role copper may play
- Tests to diagnose and treatments to manage chronic liver disease in the cat

## «Pet Animal» Ophthalmology

**342** 8:00 – 9:00 A.M.

### I'm Looking at You: Ophthalmic Exam in Private Practice

Kathern E. Myrna, DVM, M.S., DACVO

Audience: V, T // Level: 1, 2

Never miss an important lesion again! This session will review the best techniques for ophthalmic exam without the fancy equipment. Attendees will:

- Learn reliable techniques to achieve the most important results



- Get a tutorial on the best way to take digital photos of the eye for email and text consults

**343** 9:15 – 10:15 A.M.

### Glaucoma in Private Practice

Kathern E. Myrna, DVM, M.S., DACVO

*Audience: V, T // Level: 1, 2, 3*

Glaucoma is one of the most frustrating and often confusing ocular diseases encountered in private practice. In this session, attendees will:

- Learn the best approach for evaluation and treatment of glaucoma
- Review current drugs and surgeries available
- Hear about new modalities coming soon

**344** 10:30 – 11:30 A.M.

### When the Ulcer Doesn't Heal: Tips for Non-Healing Corneal Ulcers

Kathern E. Myrna, DVM, M.S., DACVO

*Audience: V, T // Level: 1, 2, 3*

Non-healing ulcers are a huge challenge to general practitioners and ophthalmologists alike. This session will review how to recognize indolent corneal ulcers, treat them, and avoid getting into trouble in the process.

**345** 1:30 – 2:30 P.M.

### From Cherry Eye to Entropion: Surgical Procedures for Private Practitioners

Kathern E. Myrna, DVM, M.S., DACVO

*Audience: V // Level: 1, 2, 3*

There are many surgeries of the eye that can and should be successfully performed in private practice. This session will:

- Present pearls for successful ophthalmic surgery
- Discuss what cases are best served by referral
- Explore surgical procedures, including enucleation, basic entropion repair, eyelid mass removal, and replacement of the gland of the third eyelid

**346** 2:45 – 3:45 P.M.

### Eyes on Fire: Uveitis

Kathern E. Myrna, DVM, M.S., DACVO

*Audience: V, T // Level: 1, 2, 3*

This case-based session will discuss the diagnosis and treatment of uveitis. Attendees will:

- Learn a rational approach to the uveitis workup
- Explore strategies for explaining the disease to clients
- Develop a rational treatment approach for cases before and after appropriate workup

**347** 4:00 – 5:00 P.M.

### Illuminating the Black Box: Sudden Blindness in Dogs and Cats

Kathern E. Myrna, DVM, M.S., DACVO

*Audience: V, T // Level: 2, 3*

Sudden blindness is a frightening event for both animals and pet owners and can present a diagnostic challenge for practitioners. This session will:

- Explain causes and review cases of sudden blindness
- Discuss ways to differentiate emergency referrals from cases that can wait

## « Practice Management I »

This track will be recorded for MVC Virtual 🎧

**348** 8:00 – 9:00 A.M.

### Financial Bootcamp for New Practice Owners

Camala C. Bailey, CPA, CVA

*Audience: MO // Level: 1*

New to practice ownership? Whether you are starting a practice or purchasing one, find out what to do from the beginning to get it right! In this session, attendees will learn:

- First steps to owning a practice
- The importance of tracking your financial information
- Entity choices, what taxes you will owe, and how to pay them

**349** 9:15 – 10:15 A.M.

### Planning Pays! How to Budget and Manage Cash Flow

Camala C. Bailey, CPA, CVA

*Audience: MO // Level: 1*

All medical professionals know: An ounce of preparation is worth a pound of cure. Not only is this true of your physical health, but your financial health as well! In this session, attendees will learn how to:

- Prepare a budget (it doesn't have to be complicated!)
- Develop a cash flow forecast and use it for planning
- Calculate your break-even point
- Calculate and analyze your return on investment (ROI)

**350** 10:30 – 11:30 A.M.

### Inventory: Change is the New Constant!

Camala C. Bailey, CPA, CVA

*Audience: MO, HS // Level: 1*

Managing inventory is crucial, especially in these economically challenging times. This session will cover strategies to manage the second highest cost in your practice. Attendees will learn:

- What it takes to be a great inventory manager
- The good, the bad, and the ugly of online pharmacies
- How to manage back orders
- Automation strategies and if they'll work for you
- How to engage the team in managing your inventory

**351** 1:30 – 2:30 P.M.

### Managing Labor Costs in Challenging Times

Camala C. Bailey, CPA, CVA

*Audience: MO // Level: 1*

Determining what to pay yourself as a practice owner is daunting enough, but figuring out competitive wages for each staff member—taking into consideration their skill level, education, and tenure—is even trickier, especially in today's market. This session will cover:

- Owner compensation considerations
- The latest competitive compensation methods and statistics for associates and technicians
- Key performance indicators (KPIs) for compensation,

tax, and benefits

- Why retaining is the new recruiting

**352** 2:45 – 3:45 P.M.

### Giving Your Clinic a Financial Exam

Camala C. Bailey, CPA, CVA

*Audience: MO // Level: 1*

This session will offer a brief overview of financial statements with a deep dive into statement analysis. Attendees will learn:

- How to review metrics and trends that can be found in financial statements
- Key industry benchmarks to use for comparison purposes
- How to prioritize and create next steps for profitability improvement

**353** 4:00 – 5:00 P.M.

### Has the Bubble Burst? Steps to Increase Your Practice Value

Camala C. Bailey, CPA, CVA

*Audience: MO // Level: 1*

Practice values over the last few years have been off the charts! But the frenzy is over, so now is the time to learn what makes a practice valuable. This session will be geared toward owners who plan to sell within the next five years. Attendees will:

- Understand the components of a practice's profit
- Learn what steps to take before selling
- Review a "NoLo" case study (so you don't become a NoLo yourself!)
- Discuss current practice market multiples

## « Practice Management II »

**354** 8:00 – 9:00 A.M.

### What We Can Learn from Mongolian Veterinarians

Dan Bieck, DVM

*Audience: V, T, MO, HS // Level: 2*

V.E.T. Net is a worldwide organization of veterinarians that trains and educates Mongolian people on veterinary medicine and overall animal health—but we can learn just as much from them as they can from us.

This session will explore the speaker's own experience with this initiative and share what he learned about life as a veterinary professional. Attendees will gain insight on how to maintain a positive perspective on daily practice, education, and personal trials.

**355** 9:15 – 10:15 A.M.

### How to be a Leader When You are Not in Charge

Dan Bieck, DVM

*Audience: V // Level: 2*

Can associate veterinarians be leaders in their practice, even if they are not "in charge"? If so, how can they put their leadership skills to work without



stepping on anyone's toes? In this session, we will dive into these questions and discuss the benefits of servant leadership as an associate veterinarian.

**356** 10:30 – 11:30 A.M.

### How to Perform a Compassionate Euthanasia

Dan Bieck, DVM

*Audience: V, T, MO, HS // Level: 2*

One of the most important client interactions we have as veterinarians is the euthanasia appointment, yet the planning and effort put into this critical situation is almost nonexistent. By providing truly compassionate euthanasia to our patients and comforting support to our clients, we can make the best out of a very difficult situation. This session will discuss:

- Four important aspects of a euthanasia
- What happens before the appointment
- How to explain the process to the family
- How each step comes together

**357** 1:30 – 2:30 P.M.

### Compassion Fatigue and Burnout: Learning from Our Mistakes

Dan Bieck, DVM

*Audience: V, T, MO, HS, SS, BT // Level: 2*

Unfortunately, more and more veterinary professionals are experiencing compassion fatigue and burnout in today's high-pressure world. Often, this occurs because of six common mistakes that many of us unknowingly make. This session will:

- Define, compare, and contrast compassion fatigue and burnout
- Explore the six common mistakes that lead to fatigue and burnout
- Explain how to become aware of and avoid these situations

**358** 2:45 – 3:45 P.M.

### The Car Mechanic, the Dentist, and the M.D.: What Can We Learn?

Dan Bieck, DVM

*Audience: V, T, MO, HS // Level: 2*

In a matter of a few weeks, the speaker visited his car mechanic, his son's dentist, and the emergency room. While lying in a hospital bed, he reflected on how drastically different those experiences were and, more importantly, what he'd learned from them. This session will review the good, the bad, and the ugly of mechanics, dentists, and medical doctors—as well as what veterinary professionals can learn from each to create the perfect practice.

**359** 4:00 – 5:00 P.M.

### Increase Your Client Base and Compliance with One Powerful Word

Dan Bieck, DVM

*Audience: V, T, MO, HS // Level: 1*

We would all love to increase our client compliance and get more referrals. But how? This session will discuss one, single word that can become the guiding light for your practice and help you achieve both.

## «Public Health»

This track will be recorded for MVC Virtual

**360** 8:00 – 9:00 A.M.

### Livestock Abortion-Associated Zoonoses: Knowledge vs. Practice

Megin Nichols, DVM, MPH, DACVPM

*Audience: V, T, MO, HS, SS // Level: 1, 2, 3*

A survey of veterinarians indicated limited knowledge of transmission of select abortion-associated zoonotic diseases. Incomplete understanding might lead to inappropriate personal protective equipment (PPE) selection, preventable disease exposure, and missed opportunities for client education. This session will:

- Describe large animal veterinarians' knowledge of select zoonotic diseases that cause livestock abortions
- Identify barriers to using PPE (research has indicated inconvenience is a primary reason it is not used)
- Provide resources about using PPE to protect against zoonotic disease

**361** 9:15 – 10:15 A.M.

### Applying Antibiotic Stewardship in Veterinary Settings

Megin Nichols, DVM, MPH, DACVPM

*Audience: V, T, MO, HS, SS // Level: 1, 2, 3*

Moving from a conceptual knowledge of antibiotic stewardship to actually implementing that knowledge can be challenging. This presentation will present case studies to:

- Define antibiotic stewardship
- Highlight practical examples of antibiotic stewardship
- Provide tools and best practices for implementing antibiotic stewardship plans in veterinary settings

**362** 10:30 – 11:30 A.M.

### The Continuing Threat of Canine Leptospirosis

George E. Moore, DVM, Ph.D.

*Audience: V, T, MO // Level: 2*

Leptospirosis is an old (and preventable!) disease of dogs, yet incidence may be increasing. In this session, attendees will learn about:

- Drivers behind the potential re-emergence of canine leptospirosis
- Environmental changes affecting exposure risk
- The effectiveness of preventive measures in healthy and hospitalized patients

**363** 1:30 – 2:30 P.M.

### Lyme Disease: A Concern for the Dog, or Just the Owner?

George E. Moore, DVM, Ph.D.

*Audience: V, T, MO // Level: 2*

Lyme disease and other tick-borne diseases are increasing every year. In this session, attendees will:

- Examine the changing risk of Lyme disease
- Review the presentation and diagnosis of Lyme disease in dogs

- Learn about effectiveness of treatment and prevention methods for Lyme disease

**364** 2:45 – 3:45 P.M.

### Should I Be Concerned About Vaccine Safety?

George E. Moore, DVM, Ph.D.

*Audience: V, T, MO // Level: 2*

Concerns around vaccine safety can make veterinarians and owners reluctant to vaccinate—and therefore protect—against infectious diseases in companion animals. During this session, attendees will learn about:

- Recent research in vaccine reaction risks
- Potential causes of vaccine reactions
- Applying vaccination guidelines to minimize reaction risk

**365** 4:00 – 5:00 P.M.

### Communicating the Importance of Vaccination in a Vaccine-Hesitant World

George E. Moore, DVM, Ph.D.

*Audience: V, T, MO // Level: 2*

Risk aversion and lack of compliance with vaccination schedules may leave pets susceptible to significant infectious diseases. In this session, attendees will learn communication principles that can be used in conversations with clients to ensure they understand. Topics to be covered include:

- How clients hear and receive messages
- Strategies to apply during discussions of vaccination benefits
- Strategies to use while explaining potential risks and vaccination reactions

## «Recent Graduates» Cytology

This track will be recorded for MVC Virtual

**366** 8:00 – 9:00 A.M.

### Getting Started: Tips for Sample Collection, Preparation, and Interpretation

Kate Baker, DVM, M.S., DACVP

*Audience: V, T // Level: 1, 2*

This session will:

- Highlight the techniques involved in sample collection and slide preparation of tissue and fluid aspirates
- Review commonly confused cytologic artifacts
- Explain the difference in cytology and histopathology
- Discuss the pros and cons of cytology as a diagnostic modality

**367** 9:15 – 10:15 A.M.

### What Am I Looking At?! Simplify Your Life by Using the Cytologic Algorithm

Kate Baker, DVM, M.S., DACVP

*Audience: V, T // Level: 1, 2*

The cytologic algorithm is the foundation to cytologic evaluation. In this session, we will cover this orga-

nized approach for interpreting what you're seeing under the microscope, including:

- How to identify and interpret inflammatory patterns and neoplastic cells
- Features indicating a neoplasm is benign or malignant
- Scenarios that don't follow the general cytologic rules

**368** 10:30 – 11:30 A.M.

### Cytology of Round Cell Tumors

Kate Baker, DVM, M.S., DACVP

*Audience: V, T // Level: 1, 2*

In this session, we will take a deep dive into the cytologic features of the five different round cell tumors.

Discussion will include:

- Pitfalls to diagnosing round cell tumors in cytology
- How these tumors can sometimes appear similar
- An exploration of three different round cell tumor cases, wherein attendees will formulate a diagnosis based on the cytologic features

**369** 1:30 – 2:30 P.M.

### Common Skin Mass Cytologies

Kate Baker, DVM, M.S., DACVP

*Audience: V, T // Level: 1, 2*

This session will include a discussion of the 12 common skin mass cytologies and present cases demonstrating both inflammatory and neoplastic processes. The features that allow for cytologic diagnosis of these pathologies will also be reviewed.

**370** 2:45 – 3:45 P.M.

### Cytologic Curiosities of the Cat

Kate Baker, DVM, M.S., DACVP

*Audience: V, T // Level: 1, 2*

This session will review a series of four cases that highlight different pathologic processes that most often or strictly occur in the feline patient and have unique cytologic and hematologic features.

**371** 4:00 – 5:00 P.M.

### Cytology from the Trenches: When the Microscope Cracked the Case

Kate Baker, DVM, M.S., DACVP

*Audience: V, T // Level: 1, 2*

In this session, attendees will explore five mystery cases where the answer lurked under the microscope. These case examples will:

- Demonstrate practical applications of cytology in veterinary practice
- Emphasize the importance of performing cytology
- Discuss cytologic features of pathologic processes

## « Shelter Animal »

**372** 8:00 – 9:00 A.M.

### ASV Shelter Guidelines, Part I: What's New and Why We Care

Elizabeth A. Berliner, DVM, DABVP

*Audience: V, T, SS, BT // Level: 1, 2, 3*

This session will introduce participants to the Association of Shelter Veterinarians' (ASV) Guidelines for

Standards of Care in Animal Shelters. The document has become the go-to guide for animal shelters, rescues, and foster homes. Attendees will:

- Find out why animal shelters need standards, and why the guidelines were updated in 2022
- Learn the process for consensus in guidance documents, as well as their importance
- Hear a brief history of shelter medicine guidelines
- Be introduced to the Five Domains of Animal Welfare
- Find out how these guidelines differ from the previous documentation
- Discover how veterinarians, staff, and managers can use these guidelines

**373** 9:15 – 10:15 A.M.

### ASV Shelter Guidelines, Part II: Medical and Surgical Program Updates

Elizabeth A. Berliner, DVM, DABVP

*Audience: V, T, SS, BT // Level: 1, 2, 3*

This session will discuss the medical, surgical, and dental management of animals in the shelter, including:

- Preventive medication, schedule, and why these are so important
- Medical communication and decision-making within the shelter
- Protocols of shelter surgery
- The basics of managing outbreaks

**374** 10:30 – 11:30 A.M.

### ASV Shelter Guidelines, Part III: Shelter Population Management

Elizabeth A. Berliner, DVM, DABVP

*Audience: V, T, SS, BT // Level: 1, 2, 3*

The dynamics (or statics) of the animal population drives animal shelters' capacity for care. How do intake, outcomes, medical, and behavioral teams work together to keep animals in shelters the shortest amount of time possible, so we can help more animals—and keep ourselves sane? This session will:

- Define capacity for care and share related updates in the ASV guidelines
- Explore how to keep animals moving through shelters, even when they need things from us
- Discuss how paying attention to disease and stress can decrease the average length of stay
- Explain how to find the right outcome for each animal, whether it's adoption, euthanasia, or transport

**375** 1:30 – 2:30 P.M.

### ASV Shelter Guidelines, Part IV: Behavior and Mental Well-Being

Uri Donnett, DVM, M.S., DABVP

*Audience: V, T, SS, BT // Level: 1, 2, 3*

Behavior is a manifestation of an animal's mood, mental state, physical health, and relationship with the environment. Assessing, modifying, maintaining, and predicting behavior are all part of caring for shelter animals. This session will discuss:

- Using the Five Domains to understand animal mental health
- Behavior assessments, including how to figure out what a dog is like and what they will do

- Behavior modification and medications used in shelters
- Goals and endpoints for animals with tricky behaviors

**376** 2:45 – 3:45 P.M.

### ASV Shelter Guidelines, Part V: Facilities & Sanitation

Uri Donnett, DVM, M.S., DABVP

*Audience: V, T, SS, BT // Level: 1, 2, 3*

This session will cover how animal shelter facilities play a role in keeping animals well, both mentally and physically. Attendees will learn about:

- Basic standards of and rationales for the size and design of animal enclosures
- Using the epidemiologic triangle to prevent and decrease disease and stress
- Designing enclosures, programs, and shelters in general with success in mind
- How fostering solves many shelter problems while creating other challenges
- Sanitation tips and recommendations

**377** 4:00 – 5:00 P.M.

### ASV Shelter Guidelines, Part VI: Disaster Response and Forensics

Uri Donnett, DVM, M.S., DABVP

*Audience: V, T, SS, BT // Level: 1, 2, 3*

New in 2022, ASV added sections dedicated to disaster response and forensic veterinary medicine in their shelter guidelines. This session will:

- Explain how animal shelter facilities play a role in community disaster response and animal-related legal proceedings
- Discuss why these sections were added
- Explore types of plans a shelter should implement to prepare for possible disaster scenarios
- Describe what shelters should be aware of if they become involved in forensic investigations
- Offer external resources that can assist with forensics

## « Small Ruminants »

This track will be recorded for MVC Virtual 

**378** 8:00 – 9:00 A.M.

### Procedures and Pain Control for Kids and Lambs

Kelly M. Still-Brooks, DVM

*Audience: V, T // Level: 1, 2*

This session will cover castration, tail docking, and disbudding for small ruminant neonates. Best practices and current evidence for pain control modalities will also be discussed.

**379** 9:15 – 10:15 A.M.

### Troubleshooting Small Ruminant Forage-Based Nutrition

Kelly M. Still-Brooks, DVM

*Audience: V, T // Level: 1, 2*

This session will explore a foundational and clinically relevant approach to forage-based nutritional



troubleshooting for small ruminants, including core vitamins and minerals.

**380** 10:30 – 11:30 A.M.  
**Chemotherapeutics & Antimicrobial Use in Small Ruminant Practice**

Kelly M. Still-Brooks, DVM  
*Audience: V, T // Level: 1, 2*

This session will cover legal and rational extra-label drug use (ELDU) of medications and antimicrobials in small ruminant practice, including evidence basis for veterinary feed directives (VFDs) and considerations for antimicrobial resistance.

**381** 1:30 – 2:30 P.M.  
**The Big Three of Biosecurity Screening in Small Ruminants**

Kelly M. Still-Brooks, DVM  
*Audience: V, T // Level: 1, 2*

This session will explain the basics of caprine arthritis encephalitis virus (CAEV) and ovine progressive pneumonia (OPP), caseous lymphadenitis, and Johne's disease in small ruminants, with a focus on diagnostic test interpretation and herd-level control.

**382** 2:45 – 3:45 P.M.  
**Anemias and Transfusion Medicine**

Michelle Carman, DVM  
*Audience: V // Level: 1*

This session will:

- Review blood products, species differences, and aspects of blood product transfusions, including indications, donors, field-setting collection, storage, and blood typing
- Discuss types of anemia and associated causes, clinical signs, and ancillary treatments
- Assess contraindications, adverse reactions, and expectations of effect of blood product administration

**383** 4:00 – 5:00 P.M.  
**Common Procedures and Field Anesthesia in Small Ruminants**

Foster E. Anderson, DVM  
*Audience: V, T // Level: 1, 2*

This presentation will discuss:

- Anesthetic drugs and techniques to facilitate restraint and pain management
- Common field procedures, such as disbudding/de-horning, castration, managing horn/antler injury, correction of uterine prolapse, urethral process amputation, etc.

## « Staff Development »

**384** 8:00 – 9:00 A.M.  
**The Modern Veterinary Professional**

Jennifer Quammen, DVM, MPH & Ryan Smith, M.S.  
*Audience: V, T, MO, HS // Level: 1*

Have you ever asked the question, "Why do we do it this way?" and been met with, "Because we've always done it this way"? While tradition has its place, in or-

der for this profession to grow and thrive in the future, some things need to be re-evaluated. Today's modern veterinary professional looks at things and says, "Something has to change, it has to be now, and it has to start with me." This session will discuss the model of the modern veterinary professional and explore the components needed to take you from stuck, broke, and frustrated to more time, money, and impact.

**385** 9:15 – 10:15 A.M.  
**Stuck, Broke, and Frustrated: Not A Badge of Honor**

Jennifer Quammen, DVM, MPH & Ryan Smith, M.S.  
*Audience: V, T, MO, HS // Level: 1*

For some reason, the veterinary industry holds on to the idea that staying in your lane, being underpaid, and putting up with disgruntled humans is the way it's supposed to be. There is a better way, but how do you move from stuck, broke, and frustrated to more time, more money, and more impact in the industry you love? In this session, we will build on the foundation set in the previous presentation by digging deeper into this mental trap and discovering how we break free.

**386** 10:30 – 11:30 A.M.  
**The "FAST" Slowdown**

Jennifer Quammen, DVM, MPH & Ryan Smith, M.S.  
*Audience: V, T, MO, HS // Level: 1*

Suffering from fear, anxiety, stress, and/or trauma—or "FAST"—affects both your body and mind in a way that prevents you from achieving success. The key to breaking the cycle is by recognizing how these emotions manifest in yourself and others. In this session, we will discuss how to shift the narrative away from FAST to create a mentally and physically healthy profession.

**387** 1:30 – 2:30 P.M.  
**The Five: Key Influencers For Your Success**

Jennifer Quammen, DVM, MPH & Ryan Smith, M.S.  
*Audience: V, T, MO, HS // Level: 1*

You may have heard Jim Rohn's saying: "You are the average of the five people you spend the most time with." If we look around at who most of us spend our days with, we may not feel confident about how we want to grow in life or the industry. Take a deep breath, because your success is not reliant on five specific individuals, good or bad. This session will explore five types of people that influence your success, the purpose each serves in attaining that success, and how missing one or more of these influencers can set your achievements back years.

**388** 2:45 – 3:45 P.M.  
**The Habit Stack for Daily Success**

Jennifer Quammen, DVM, MPH & Ryan Smith, M.S.  
*Audience: V, T, MO, HS // Level: 1*

A habit stack is a series of small habits sequenced together in such a way that one feeds into the next, making it feel like a single habit rather than a bunch of small habits. Attend this session to learn the secrets of this under-used method that will help create your

growth in the veterinary industry, but more importantly, your personal future.

**389** 4:00 – 5:00 P.M.  
**More Time, More Money, More Impact**

Jennifer Quammen, DVM, MPH & Ryan Smith, M.S.  
*Audience: V, T, MO, HS // Level: 1*

In the veterinary world, it's long been assumed that the only way to make more money and have more impact is by cramming more and more into the hours you already work, or by working more hours. But this is actually counterproductive and eventually leads to less impact and potentially less money. Now is time to say: "Something has to change, it has to be now, and it has to start with me." In this session, we will explore what life would look like if we were to make the necessary changes that provide us with more money, more time, and more impact.

## « Technician I »

**390** 8:00 – 9:00 A.M.  
**Breathe In, Breathe Out: The Ins and Outs of Capnography**

Katrina S. Lafferty, BFA, RLAT, CVT, VTS (A/A)  
*Audience: T // Level: 2*

Capnography provides early warning for a number of life-threatening situations: Malignant hyperthermia, cardiovascular collapse, endotracheal tube blockage or misplacement, hyper- or hypo-ventilation, and hyper- and hypo-carbia. Attendees will:

- Explore the many uses of capnography, including as a ventilation guide, intubation confirmation tool, and critical early alert system
- Be able to identify normal and abnormal capnograph tracings
- Learn how to troubleshoot capnograph issues, both with the machine itself and the patient
- Gain an understanding of capnograph equipment, including costs, pros, and cons for each type

**391** 9:15 – 10:15 A.M.  
**Beyond the Bag: Mechanical Ventilation Made Practical**

Katrina S. Lafferty, BFA, RLAT, CVT, VTS (A/A)  
*Audience: T // Level: 2*

There are many instances when mechanical ventilation is necessary, even life saving. This lecture will:

- Explain the mechanics behind adequate ventilation and when a ventilator is needed
- Describe how to choose the appropriate settings on any ventilator machine for a variety of scenarios
- Define the methods and modes of ventilatory support, as well as additional supplemental techniques, including positive expiratory pressure and continuous positive airway pressure
- Instruct attendees on the parts of the ventilator and how to troubleshoot problems, both with the ventilator and the anesthesia machine



**392** 10:30 – 11:30 A.M.

### Receptor Soup: Creating the Right Recipe for Hypotensive Patients

Katrina S. Lafferty, BFA, RLAT, CVT, VTS (A/A)

*Audience: T // Level: 2, 3*

How do you sort through all the receptors involved in managing hypotension in patients? This lecture will de-mystify the receptors that work to mediate normotension in patients. Attendees will learn about:

- Receptors involved in several categories of blood pressure agents
- The role of various vasopressors and inotropic agents, including dopamine, dobutamine, norepinephrine, and phenylephrine
- How to create an appropriate recipe for treating various forms of hypotension and shock
- Cautions and side effects associated with pressor applications
- How to create an appropriate plan for each patient to combat hypotension under several situations

**393** 1:30 – 2:30 P.M.

### A Wing and a Prayer: Resuscitation in Exotic Animal Species

Katrina S. Lafferty, BFA, RLAT, CVT, VTS (A/A)

*Audience: V, T, SS // Level: 2, 3*

There is a fair body of scientifically verified data regarding cardiopulmonary resuscitation (CPR) in canine and feline patients, but very little for exotic animals. The overarching principles are the same across species, allowing for anatomic and physiological differences of the primary exotic animal categories (avian, reptile, and mammal). This lecture will consider both the "standard" CPR practices applied to canine and feline patients, as well as required for exotic animal patients. Discussion will include:

- Assessment techniques and parameters in CPR cases
- Anatomic modifications required for traditional CPR monitors and equipment, as well as interpretation of data received from said monitors
- Thoracic compressions, emergency intubation, intravenous access, drug dosing, and modifications
- Emergency place techniques for intravenous catheters and intubation
- CPR techniques in exotic mammals, birds, and reptiles

**394** 2:45 – 3:45 P.M.

### Opioids: So Many Choices, So Little Time

Katrina S. Lafferty, BFA, RLAT, CVT, VTS (A/A)

*Audience: T // Level: 1, 2*

Opioids are the cornerstone of pain management in veterinary patients, so it is important to understand how opioids work, what drugs are out there, and which are appropriate in different situations. This session will discuss:

- Opioids' method of action and receptors involved in opioids and reversal agents
- The cautions, contraindications, special procedures, and side effects associated with opioid applications
- Creating an opioid plan for each patient
- Recognizing and reacting to an opioid overdose

**395** 4:00 – 5:00 P.M.

### To Glasgow and Beyond: Pain Scoring Systems

Katrina S. Lafferty, BFA, RLAT, CVT, VTS (A/A)

*Audience: T // Level: 1, 2*

Using a pain scoring system reduces pain states and improves patient care. This lecture will analyze available pain scoring systems and discuss how to adapt and apply them in individual settings. Attendees will gain an understanding of:

- The basis behind markers used to determine levels of pain
- How to interpret and gauge pain using several different scales
- How to create and apply individualized pain scales and client questionnaires

## « Technician II »

**396** 8:00 – 9:00 A.M.

### Sedation and Regional Anesthesia for Farm Animals

Joseph W. Lozier, DVM, M.S., DACVS-LA

*Audience: V, T // Level: 1, 2, 3*

This session will cover sedation and local anesthetic protocols that can be used on farm settings for various procedures. Protocols for cattle, small ruminants, and swine will be included.

**397** 9:15 – 10:15 A.M.

### Basics of Blocked Goats

Joseph W. Lozier, DVM, M.S., DACVS-LA

*Audience: T // Level: 1, 2, 3*

This session will discuss the basics of urolithiasis in small ruminants, including the disease process, common surgical procedures, and nursing care required to support success.

**398** 10:30 – 11:30 A.M.

### Fluid Therapy on the Farm

Joseph W. Lozier, DVM, M.S., DACVS-LA

*Audience: V, T // Level: 1, 2, 3*

Fluid therapy for ruminants can be challenging due to limited access to large volumes of fluids and electrolytes. In this session, attendees will learn strategies to provide care despite these challenges.

**399** 1:30 – 2:30 P.M.

### The Laboratory Animal Research Technician, Part I: Introduction

Amy Jo Williams, MBA, RVT, RLATG, SRS, SRA

*Audience: T, HS // Level: 1, 2*

Technicians are an essential component of animal laboratory research and are critical to animals' humane health and welfare. In this session, participants will:

- Learn about federal and state regulations and guidelines regarding the use and care of laboratory animals
- Discover the laboratory technician's role in ensuring ethical and humane research protocols are followed
- Learn about the Animal Welfare Act (AWA) and the three "Rs" that impact all veterinary professionals

**400** 2:45 – 3:45 P.M.

### The Laboratory Animal Research Technician, Part II: Many Career Opportunities

Amy Jo Williams, MBA, RVT, RLATG, SRS, SRA

*Audience: T, HS // Level: 1, 2*

The number of career opportunities for those who have specialized in laboratory animal technology are on the rise. In this session, attendees will:

- Discover the employment opportunities in research and teaching facilities, pharmaceutical and biomedical research, animal feed companies, laboratory equipment companies, and consumer product development
- Learn about the array of certifications that can be attained, from laboratory animal technician (LAT) to certified manager of animal resources (CMAR)
- Find out about other careers stemming from the laboratory animal technician profession

**401** 4:00 – 5:00 P.M.

### The Laboratory Animal Research Technician, Part III: Beyond Intravenous Catheter

Amy Jo Williams, MBA, RVT, RLATG, SRS, SRA

*Audience: T, HS // Level: 1, 2*

The ultimate goal of the veterinary team in laboratory research is to minimize animal stress and pain. In order to ensure safe and effective procedures, laboratory animal technicians must therefore have a deeper knowledge of appropriate handling and care than their counterparts in traditional clinical veterinary practices. In this session, participants will learn the various duties of laboratory animal technicians, including:

- Promoting animal health and well-being
- Managing animal pain and stress
- Performing advanced anesthesia and invasive procedures under the guidance of a licensed veterinarian
- Conducting research using research methodologies
- Writing and implementing research protocols
- Teaching and guiding others on the research team

## « Hands-On Labs & Workshops »

**C** 8:30 – 11:30 A.M.

*Audience: T // Level: 1, 2 // CE: 3 hours // Capacity: 21 // Fee: \$145*

### Common Gastrointestinal Parasites of Dogs and Cats

This lab will provide technicians with hands-on training on common gastrointestinal parasites of dogs and cats, including FECRT for evaluating drug de-wormer effectiveness. The program will also focus on doing the modified Knott's test for microfilaria testing. Transportation and appropriate PPE included in lab fee.

**Susan B. Allen** AIA, ASID, IIDA, LEED AP DB+C, EDAC  
TC Architects – Clinton, Ohio

**Joel M. Anderson** DVM  
Cross Country Genetics – Westmoreland, Kan.

**Foster E. Anderson** DVM  
Chimera Veterinary Services – Newark, Ohio

**Andréia G. Arruda** DVM, M.S., Ph.D.  
The Ohio State University – Columbus, Ohio

**Camala C. Bailey** CPA, CVA  
Camala C. Bailey, CPA, PC - CPA 4 Vets – Tempe, Ariz.

**Bridgette Bain** Ph.D.  
AVMA – Schaumburg, Ill.

**Kate Baker** DVM, M.S., DACVP  
VetHive – Columbia, Tenn.

**Stephanie C. Bell** DVM, DACVO  
Hagyard Equine Medical Institute – Lexington, Ky.

**Rhonda W. Bell** CVPM, CCFP, PCM, CDMP  
Dog Days Consulting – Floresville, Texas  
*Affiliation: Talkatoo, Canva*

**Leeza Bercaw** DVM  
Ohio Department of Agriculture – Reynoldsburg, Ohio

**Elizabeth A. Berliner** DVM, DABVP  
ASPCA – Groton, N.Y.

**Savannah Beverly**  
The Ohio State University – Columbus, Ohio

**Dan Bieck** DVM  
Heartland Veterinary Partners – Norwalk, Ill.

**David Bruyette** DVM, DACVIM (SAIM)  
Anivive Lifesciences – Bell Canyon, Calif.

**Luciano Caixeta** DVM, Ph.D.  
University of Minnesota – Shoreview, Minn.

**Braden Campbell** Ph.D.  
The Ohio State University – Wooster, Ohio

**Michelle Carman** DVM  
The Ohio State University – Columbus, Ohio

**Christina Chambreau** DVM, CVH  
Healthy Pets, People and Planet – Sebastian, Fla.

**Aditi Czarnomski** CPDT-KSA  
Gigi's Shelter for Dogs – Reynoldsburg, Ohio

**Clare Deming** DVM, DABVP  
BluePearl Specialty + Emergency Pet Hospital –  
Garwood, N.J.

**Tom Divers** DVM  
Cornell University – Dryden, N.Y.

**Uri Donnett** DVM, M.S., DABVP  
Dane County Humane Society – Madison, Wis.

**Elizabeth R. Drake** DVM, DACVD  
University of Tennessee – Knoxville, Tenn.

**Colleen Duncan** DVM, Ph.D., DACVP, DACVPM  
Colorado State University – Fort Collins, Colo.

**Daniel H. Ettinger**  
Summit County Sheriff's Office – Idaho Springs, Colo.

**Diane Frank** DVM, DACVB  
University of Montreal – Montreal, Québec

**Alex Gallagher** DVM, M.S., DACVIM (SAIM)  
Columbia Veterinary Emergency Trauma and Specialty  
– Columbia, S.C.

**Eric D. Gordon** DVM, DACVPM  
The Ohio State University – Marysville, Ohio

**Tamara Grubb** DVM, Ph.D., DACVAA  
Washington State University – Uniontown, Wash.

**Margaret E. Gruen** DVM, Ph.D., DACVB  
North Carolina State University – Raleigh, N.C.

**Charlotte Hansen** M.S.  
AVMA – Schaumburg, Ill.

**Meghan E. Herron** DVM, DACVB  
Gigi's Shelter for Dogs – Worthington, Ohio  
*Affiliation: The Ohio State University*

**Bryan E. Hirschbach** DVM  
Ohio Department of Agriculture – Garrettsville, Ohio

**Brian Husbands** DVM, DACVIM (Oncology)  
The Ohio State University – Columbus, Ohio

**Michael H. Jaffe** DVM, M.S., CCRP, DACVS  
Mississippi State University – Mississippi State, Miss.

**Jean G.F. Joaquim** DVM, M.S., Ph.D.  
Bioethicus Institute – Botucatu, São Paulo, Brazil

**Timothy Kolb** DVM  
OVMLB / Banfield Pet Hospital – Delaware, Ohio

**Katrina S. Lafferty** BFA, RLAT, CVT, VTS (A/A)  
University of Wisconsin, Madison – Verona, Wis.

**Thainá Landim de Barros** DVM, M.S., Ph.D.  
The Ohio State University – Wooster, Ohio

**Angela M. Lennox** DVM  
Avian and Exotic Animal Clinic – Indianapolis, Ind.

**Juan C. Leon** DVM, M.S.  
Ohio Department of Agriculture – Jackson, Ohio

**Joseph W. Lozier** DVM, M.S., DACVS-LA  
The Ohio State University – Columbus, Ohio

## « MVC Education Committees »

### Animal Behavior

Dr. Susan Barrett  
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Dr. Meghan Herron  
Ms. Rebecca King  
Dr. M. Leanne Lilly  
Dr. Andrea Miller  
Dr. Laurie Schulze  
Ms. Tracy Shreyer  
Dr. Allison Shull

### Equine

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Dr. Ray Hephner  
Dr. Barbara Musolf  
Dr. Eric Schroeder  
Dr. Jonathan Yardley

### Food Animal

Dr. Randy Bond  
Dr. Andrew Bowman  
Dr. Leah Dorman  
Dr. Brandon Forshey  
Dr. Eric Gordon  
Dr. Bethany Heitkamp  
Dr. Alexandra Reyes  
Dr. Kristy Shaw  
Dr. Amanda Wagner  
Dr. Alissa Wilhelm  
Dr. Ellen Yoakam

### Practice Management & Staff Development

Mr. Ed Fegan  
Dr. Robert Knapp  
Ms. Andrea Lukuch  
Dr. Alexandra Reyes  
Dr. Melvin Wenger

### Holistic & Integrative Medicine

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Dr. Debra Decker  
Dr. Jon Ellis  
Dr. Brett Ellis  
Dr. Carol Gifford  
Dr. Jamie Klements  
Dr. Neal Sivula  
Dr. Karen Spracklen

### Pet Animal

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Dr. Cindy Kidd  
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Dr. Samarah LaFoca  
Dr. Georgina Newbold  
Dr. Jessica Nickless  
Dr. Symone Niesz-ent  
Dr. Robert Sherding  
Dr. Emy Varughese

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Dr. Julie Bilchak  
Dr. Kathryn Campitelli  
Dr. John Gibbins  
Dr. Jeff Hayes  
Dr. Roger Krogwald  
Dr. Jeanette O'Quin  
Dr. Kristy Shaw  
Dr. Amber Singh  
Dr. Kathleen Smith  
Dr. Jason Stull

### Technician

Ms. Jordan Buddner  
Ms. Gina Dodge  
Ms. Carrie Harviel  
Ms. Christie Myers  
Dr. Georgina Newbold  
Mr. Aaron Silveus

### Shelter Animal

Dr. Laura Advent  
Dr. Shirene Cece-Clements  
Dr. Robert Fisher  
Dr. Audra Hanthorn  
Ms. Sharon Harvey  
Dr. Deborah Johnson  
Dr. Melisa Kauffman  
Mr. Mark Kumpf  
Dr. Allison Lash  
Ms. Megan Newkirk  
Dr. Jeanette O'Quin  
Mrs. Jessica Scott  
Dr. Megan Volpe  
Dr. Amy Wolfgang  
Mr. H. Dwayne Young, Jr.

### Small Ruminants

Dr. Randy Bond  
Dr. Brandon Forshey  
Dr. Eric Gordon

**Kimberly D. Machesky MPH**  
Ohio Department of Health – Columbus, Ohio

**Antoinette Marsh J.D., M.S., Ph.D.**  
The Ohio State University – Columbus, Ohio

**Megan J. McCracken DVM, M.S., DACVS-LA**  
University of Missouri – Columbia, Mo.

**Aaron K. Messer DVM**  
Columbus Public Health – Columbus, Ohio

**Gabe E. Middleton DVM, DABVP**  
Veterinary Wellness Partners – Orrville, Ohio

**George E. Moore DVM, Ph.D.**  
Purdue University – Lafayette, Ind.

**Margaret Mudge VMD, DACVS, DACVECC**  
The Ohio State University – Columbus, Ohio

**Kathern E. Myrna DVM, M.S., DACVO**  
University of Georgia – Athens, Ga.

**Clinton L. Neill M.S., Ph.D.**  
AVMA – Schaumburg, Ill.

**Megin Nichols DVM, MPH, DACVPM**  
Centers for Disease Control and Prevention – Atlanta, Ga.

**Jacqueline M. Nolting Ph.D.**  
The Ohio State University – Marengo, Ohio

**Frederic Ouedraogo M.S., Ph.D.**  
AVMA – Schaumburg, Ill.

**Jordan A. Porter RVT, VTS (SAIM)**  
Springfield, Ga.

**Jennifer Quammen DVM, MPH**  
Veterinarian Coaching – Walton, Ky.

**Jamie Rauscher RVT**  
NAVTA, NVA – Woodstock, Ga.

**Kimberly A. Riker-Brown DVM**  
Shoreland Animal Hospital – Toledo, Ohio  
*Affiliation: American Association of Veterinary State Boards*

**Denise Rollings CVT, VTS (Dentistry)**  
Pet Dental Education, LLC – Fort Myers, Fla.

**Philip J. Seibert CVT**  
Safety Vet – Calhoun, Tenn.

**Marc A. Seitz DVM, DACVR, DABVP (Canine and Feline Practice)**  
Mississippi State University – Starkville, Miss.

**Kristy L. Shaw DVM**  
Ohio Department of Agriculture – Reynoldsburg, Ohio

**Susan M. Skorupski M.S., DVM**  
USDA, APHIS, Veterinary Services – Pickerington, Ohio

**Ryan Smith M.S.**  
Veterinarian Coaching – Walton, Ky.

**Christopher J. Snyder DVM, DAVDC**  
University of Wisconsin-Madison – Middleton, Wis.

**Kelly M. Still-Brooks DVM**  
Colorado State University – Loveland, Colo.

**Dennis M. Summers DVM, DACVPM**  
Ohio Department of Agriculture – Reynoldsburg, Ohio

**Samantha Swisher DVM, DABVP (Exotic Companion Mammal)**  
The Ohio State University – Columbus, Ohio

**Alexia Tsakiris BVetMed, CVA, GDVWHM, RH (AHG)**  
Naturopawthic Veterinary Wellness Center – West Long Branch, N.J.

**Amy VanDeWater**  
Glue Veterinary Coaching – Sugar Grove, Ohio

**Matthew Verbsky DVM, M.S.**  
MedVet – West Liberty, Ohio

**Douglas Wagner DVM**  
Canine Reproductive Specialty Service – Christiana, Pa.

**Jessica L. Ward DVM, DACVIM (Cardiology)**  
Iowa State University – Colo, Iowa

**Amy Jo Williams MBA, RVT, RLATG, SRS, SRA**  
Hillsboro, Ohio

**Lisa J. Wilson DVM**  
Animal and Avian Medical Center – Avon Lake, Ohio

**Page Yaxley DVM, DACVECC**  
The Ohio State University – Columbus, Ohio

**Taylor Yurick DVM**  
The Ohio State University – Columbus, Ohio

## « DATES & DEADLINES »

 Applies to In-Person MVC.

 Applies to Hybrid MVC (In-Person and Virtual).

 Applies to Virtual MVC.

**NOV. 14** Advance Registration begins.  
2022

**JAN. 13 to JAN. 25** MVC hotel blocks close.

**JAN. 20, 2023**  
11:59 P.M. ET

**JAN. 21** Regular Registration begins.  
12:00 A.M. ET  
Registration rates increase today.

**FEB. 1** Confirmation packets mailed starting today.  
2023  
Conference Proceedings and Mobile App scheduled to be released.

**Advance Registration ends.**  
Last day to register for live MVC and receive confirmation packet in mail.

**FEB. 15** On-Site Registration opens in GCCC.  
2023  
5 – 6:30 P.M. (Online registration remains open.)

**FEB. 16 to 18**  
2023  
Live Midwest Veterinary Conference  
Greater Columbus Convention Center  
Columbus, Ohio

**FEB. 23** Cancellation deadline for virtual MVC; no refunds after this date.  
2023  
12:00 P.M. ET

**FEB. 24, 2023**  
12:00 P.M. ET  
MVC Virtual platform opens.

**FEB. 25, 2023** 11:59 P.M. ET  
Refund deadline for in-person MVC.

**AUG. 24, 2023**  
11:59 P.M. ET  
MVC Virtual platform closes.



## « Attendee FAQs »

### GENERAL INFORMATION

#### What is the dress code?

- Attire for the MVC is business casual. Room temperatures vary, so you may wish to dress in layers.

#### Can I bring my pets?

- Health codes prohibit pets on site. In keeping with the law, only service animals are permitted.
- Documentation is required for individuals bringing service animals.

#### I require special assistance under the Americans With Disabilities Act. How do I make this request?

- Simply list your needs in the "ADA Accommodations" field of the paper or online registration form.
- Requests should be made by Jan. 20, 2023.

### CONTINUING EDUCATION

#### Are the MVC's sessions approved for continuing education credit? How do I obtain verification?

- All sessions and labs are approved for CE credit by the Ohio Veterinary Medical Licensing Board, and almost all other states recognize this approval.
- Additional organization approvals will be posted online at [www.mvcinfo.org/education](http://www.mvcinfo.org/education).
- Certificates will be available in the On-Site Program and via your online attendee profile.
- If your state requires verification by the hosting organization Ohio does not), present your certificate to an OVMA staff member on site or via email for signature.

#### How much CE can I earn at the live/in-person MVC?

- Attendees can earn up to 7.5 hours on Thursday and 6 hours on both Friday and Saturday, for a maximum of 19.5 hours for the full conference.

#### Does MVC Virtual count for CE credit?

- The amount you may earn by participating in the Virtual MVC varies by state.
  - In Ohio, veterinarians may claim up to 15 hours of online CE, and technicians may claim up to 6.

- This can be either live streamed or viewed on demand.
- Please check with your state's licensing board to determine how many hours of online, pre-recorded CE you can claim.

### EXHIBIT HALL

#### Can I bring an unregistered guest with me?

- Yes. You may purchase one-day Exhibit Hall-only passes on site for \$25 each.
- Children are free but must obtain a pass for entry.

#### Can exhibitors obtain my personal information?

- The QR code on your badge contains your full name, individual type (veterinarian, technician, etc.), company, primary mailing address, email, and phone number (if provided during registration).
- Exhibitors may obtain this information if you allow them to scan your badge in the Exhibit Hall.
- If you do not wish to share your information, simply decline to have your badge scanned.
- Exhibitors in the Virtual Exhibit Hall may be able to obtain your name and contact information when you visit their booth.
- **OVMA does NOT sell your email address to any third parties outside of this context.**

### VIRTUAL & HYBRID MVC

#### How do I register for the Virtual MVC?

- You may register online at [www.mvcinfo.org](http://www.mvcinfo.org) (recommended) or by using the mail-in form on page 5.
- Registration will remain open through August.
- If you have already registered for the in-person MVC, you can add access to the Virtual MVC at any time.
- Additionally, if you are no longer able to attend the live conference, you may convert your in-person registration to a virtual registration by contacting us at [info@mvcinfo.org](mailto:info@mvcinfo.org).

#### When does the Virtual MVC take place? Are the sessions presented live?

- **To ensure high-quality video/audio, virtual sessions are NOT live streamed.**

- Recordings will be available AFTER the live MVC concludes. See page 3 for a complete list of sessions that will be recorded.
- The Virtual MVC will be accessible for a period of six months, from **Feb. 24 to Aug. 24, 2023**.

#### How long will I have access to the content?

- Attendees who have registered for the Virtual or Hybrid MVC will have six months of unlimited access to session recordings and the Virtual Exhibit Hall.

#### Does the Virtual Platform track my activity?

- The platform **does** track which sessions you watch.

#### Can I share my registration with a colleague?

- No, multiple individuals may not share a single registration.
- Your access information is unique to you and can only be used to log in on one device at a time.
- Furthermore, only paid registrants can claim CE verification for license renewal purposes; OVMA will NOT verify CE for anyone who is not registered.

**For complete details on the Virtual MVC, please see [www.mvcinfo.org/virtual](http://www.mvcinfo.org/virtual).**

### VOLUNTEER OPPORTUNITIES

- The MVC needs attendees to serve as moderators for select sessions.
- Moderators introduce speakers, ensure the session runs smoothly, and assist in the event of technical difficulties by locating the appropriate staff person.
- Any MVC attendee may volunteer as a session moderator **on the day(s) they are registered to attend**.
- To sign up as a moderator, please see your registration confirmation email for instructions.
- For a list of speakers/sessions that need moderators, please visit [www.mvcinfo.org/volunteer](http://www.mvcinfo.org/volunteer).

« For More Information »  
[www.mvcinfo.org/FAQs](http://www.mvcinfo.org/FAQs) or  
[info@mvcinfo.org](mailto:info@mvcinfo.org)

### « HOTEL BLOCKS »

Property	Address	Nightly Rate <sup>1</sup>	Phone <sup>2</sup>	Code	Close Date <sup>3</sup>
Hyatt Regency Headquarters	350 N. High St. Columbus, Ohio 43215	Single: \$188 Double: \$198	614.463.1234	G-TZCH	1/25/23
Hilton Connected to GCCC	401 N. High St. Columbus Ohio 43215	Single: \$189 Double: \$189	614.384.8600	OVMA23	1/16/23
Drury Inn & Suites Connected to GCCC	88 E. Nationwide Blvd. Columbus, Ohio 43215	Standard: \$150+ Suite: \$170+	800.325.0720	2391795	1/13/23
Canopy Hotel Across from GCCC	77 East Nationwide Blvd., Columbus OH 43215	Single: \$189 Double: \$189	614.223.1400	OVM23	1/16/23
Hampton Inn Across from GCCC	501 N. High St. Columbus Ohio 43215	Single: \$169 Double: \$179	614.559.2000	OVM	1/15/23

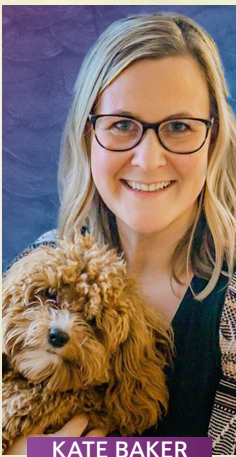
1. Rates do not include current tax of 17.5%. // 2. Or book online at [www.mvcinfo.org/travel](http://www.mvcinfo.org/travel). // 3. Or until sold out. See website for overflow hotels.



Ohio Veterinary Medical Association  
 Midwest Veterinary Conference  
 1472 Manning Parkway  
 Powell, Ohio 43065

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**CAN'T WAIT UNTIL FEBRUARY?** Get a sneak peek at upcoming MVC sessions by tuning in to Fully Vetted Podcast! The 2023 MVC Preview Series will introduce you to some of our expert speakers and give you a taste of what's to come in February. Below is just a sampling of speakers you'll hear from, with more to be announced in the coming weeks! Search for Fully Vetted in your favorite podcast platform, scan the QR code at right, or visit [www.fullyvettedpodcast.com/mvc](http://www.fullyvettedpodcast.com/mvc) to listen.



KATE BAKER



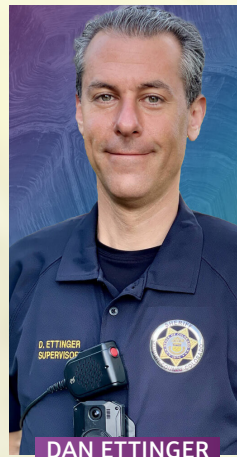
ALEXIA TSAKIRIS



AMY VANDEWATER



RYAN SMITH & JENNIFER QUAMMEN



DAN ETTINGER



CAMALA BAILEY



MARC SEITZ